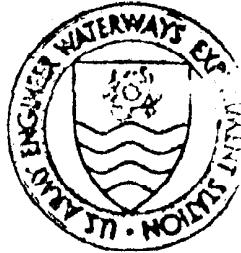


DREDGED MATERIAL RESEARCH PROGRAM



TECHNICAL REPORT D-78-15

HABITAT DEVELOPMENT FIELD INVESTIGATIONS

BOLIVAR PENINSULA MARSH AND UPLAND

HABITAT DEVELOPMENT SITE

GALVESTON BAY, TEXAS

APPENDIX D: PROPAGATION OF VASCULAR PLANTS
AND POSTPROPAGATION MONITORING OF BOTANICAL,
SOIL, AQUATIC BIOTA, AND WILDLIFE RESOURCES

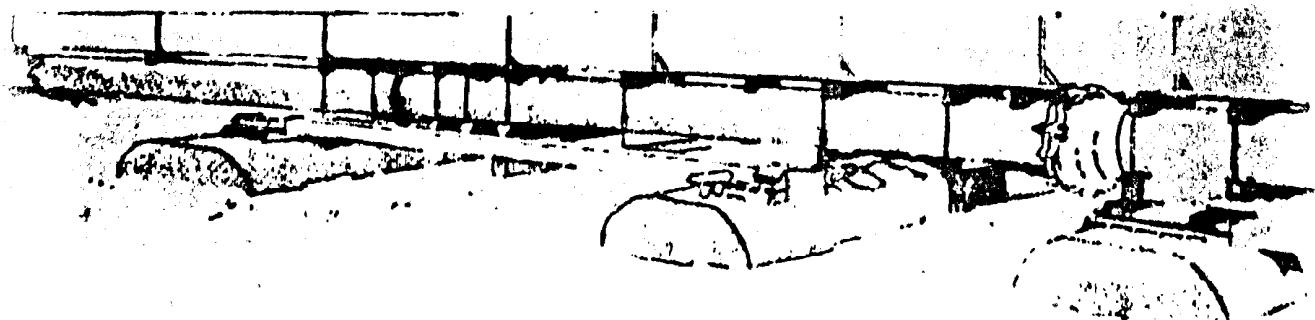
by

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U. S. Army Engineer Waterways Experiment Station
P. O. Box 631, Vicksburg, Miss. 39180

APPENDIX A': DATA TABULATIONS

Table A1
Bird Species Density and Diversity Arrayed
by Station and Transect in August 1976

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	2	2.54	0.92
Station b	-	-	-
Station c	2	2.94	1.00
Transect 4			
Station a	4	4.88	1.81
Station b	-	-	-
Station c	-	-	-
Transect 5			
Station a	-	-	-
Station b	4	17.50	1.66
Station c	2	7.36	0.97
Transect 8			
Station a	3	18.55	0.68
Station b	3	41.47	1.08
Station c	1	1.43	-
<u>Upland</u>			
Transect 3			
Station a	2	2.88	0.92
Station b	1	4.29	0.0
Station c	4	37.14	1.65
Transect 7			
Station a	2	2.04	1.00
Station b	-	-	-
Station c	-	-	-

Table A2
Bird Species Density and Diversity Arrayed
by Station and Transect in September 1976.

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	1	0.85	-
Station b	1	1.25	-
Station c	1	1.47	-
Transect 4			
Station a	-	-	-
Station b	-	-	-
Station c	-	-	-
Transect 5			
Station a	4	5.00	1.14
Station b	1	2.50	1.37
Station c	-	-	-
Transect 8			
Station a	3	12.90	1.01
Station b	-	-	-
Station c	1	20.00	0.00
<u>Upland</u>			
Transect 3			
Station a	2	2.86	1.00
Station b	1	1.43	0.00
Station c	2	3.03	1.00
Transect 7			
Station a	2	2.04	1.00
Station b	-	-	-
Station c	-	-	-

Table A3
Bird Species Density and Diversity Arrayed
by Station and Transect in October 1976

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	1	1.69	0.00
Station b	6	15.00	2.3
Station c	-	-	-
Transect 4			
Station a	-	-	-
Station b	-	-	-
Station c	1	3.26	0.00
Transect 5			
Station a	-	-	-
Station b	1	1.25	0.00
Station c	4	5.88	2.00
Transect 8			
Station a	--	-	-
Station b	3	7.32	1.25
Station c	3	4.29	1.59
<u>Upland</u>			
Transect 3			
Station a	2	4.29	1.00
Station b	1	10.00	0.00
Station c	1	9.09	0.00
Transect 7			
Station a	1	2.04	0.00
Station b	2	3.06	0.92
Station c	-	-	-

Table A4

Bird Species Density and Diversity Arrayed
by Station and Transect in November 1976

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
<u>Transect 1</u>			
Station a	2	1.69	1.00
Station b	1	1.25	0.00
Station c	4	10.29	1.84
<u>Transect 4</u>			
Station a	2	3.66	0.92
Station b	3	20.91	1.00
Station c	7	9.78	2.64
<u>Transect 5</u>			
Station a	1	5.00	0.00
Station b	1	2.50	0.00
Station c	7	17.65	2.63
<u>Transect 8</u>			
Station a	1	1.61	0.00
Station b	4	15.85	1.35
Station c	1	1.43	0.00
<u>Upland</u>			
<u>Transect 3</u>			
Station a	3	10.00	1.38
Station b	3	—	1.10
Station c	1	3.03	0.00

Bird Species Density and Diversity Arrayed
by Station and Transect in December 1976

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	1	3.39	0.00
Station b	4	7.50	1.14
Station c	3	10.29	1.46
Transect 4			
Station a	3	20.73	0.38
Station b	4	14.55	1.80
Station c	7	22.83	2.26
Transect 5			
Station a	1	1.67	0.00
Station b	2	5.00	1.00
Station c	5	41.18	1.55
Transect 8			
Station a	1	0.81	0.00
Station b	5	19.51	2.05
Station c	3	15.71	1.24
<u>Upland</u>			
Transect 3			
Station a	1	1.43	0.00
Station b	-	-	-
Station c	2	6.77	0.17
Transect 7			
Station a	1	1.02	0.00
Station b	-	6.12	1.25
Station c	-	1.05	0.92

Table A6
Bird Species Density and Diversity Arrayed
by Station and Transect in January 1977

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	1	1.69	0.00
Station b	1	2.50	0.00
Station c	1	2.94	0.00
Transect 4			
Station a	2	2.44	1.00
Station b	1	3.64	0.00
Station c	2	4.35	1.00
Transect 5			
Station a		3.33	0.00
Station b	1	2.50	0.00
Station c	2	17.14	0.65
Transect 8			
Station a	-	-	-
Station b	4	19.51	1.75
Station c	-	-	-
<u>Upland</u>			
Transect 3			
Station a	3	8.57	1.59
Station b	-	-	-
Station c	-	-	-
Transect 7			
Station a	1	4.08	0.00
Station b	1	2.04	0.00
Station c	-	-	-
Transect 9			
Station a	1	3.13	0.00
Station b	-	-	-
Station c	1	3.13	0.00

Table A7

Bird
Density and Diversity Arrayed
by Station and Transect in February 1977

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
<u>Transect 1</u>			
Station a			
Station a	-	-	-
Station b	-	-	-
Station c	-	-	-
<u>Transect 4</u>			
Station a	-	-	-
Station b	-	-	-
Station c	1	1.09	0.00
<u>Transect 5</u>			
Station a	1	0.83	0.00
Station b	2	2.50	1.00
Station c	3	4.41	1.59
<u>Transect 8</u>			
Station a	-	0.81	0.00
Station b	-	6.10	1.52
Station c	5	21.43	1.96
<u>Upland</u>			
<u>Transect 3</u>			
Station a	-	-	-
Station b	1	1.43	0.00
Station c	-	-	-
<u>Transect 7</u>			
Station a	1	1.02	0.00
Station b	1	1.02	0.00
Station c	?	130.61	0.34
<u>Transect 9</u>			
Station a	2	7.81	2.03
Station b	3	4.69	1.59
Station c	-	-	-

Bird Species Density and Diversity Arrayed
by Station and Transect in March 1977

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
<u>Transect 1</u>			
Station a	6	27.12	1.75
Station b	5	16.25	1.89
Station c	-	-	-
<u>Transect 4</u>			
Station a	8	13.41	2.40
Station b	3	7.27	1.30
Station c	2	7.61	0.86
<u>Transect 5</u>			
Station a	7	8.33	2.72
Station b	3	12.50	1.52
Station c	-	-	-
<u>Transect 8</u>			
Station a	7	11.29	2.75
Station b	-	-	-
Station c	-	-	-
<u>Upland</u>			
<u>Transect 3</u>			
Station a	2	4.29	0.92
Station b	1	1.43	0.00
Station c	-	-	-
<u>Transect 7</u>			
Station a	3	5.10	1.52
Station b	1	2.04	0.00
Station c	2	3.06	0.92
<u>Transect 9</u>			
Station a	-	-	-
Station b	1	1.56	0.00
Station c	2	4.69	0.92

Table 1
Bird Species Density and Diversity Arrayed
by Station and Transect in April 1977

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
Marsh			
Transect 1			
Station a	7	31.36	1.85
Station b	3	3.75	1.59
Station c	-	-	-
Transect 4			
Station a	6	9.76	2.22
Station b	6	23.64	2.07
Station c	3	9.73	1.53
Transect 5			
Station a		11.43	2.32
Station b	2	3.75	0.92
Station c	1	1.47	0.00
Transect 8			
Station a	8	45.16	2.44
Station b	1	1.22	0.00
Station c	-	-	-
Upland			
Transect 3			
Station a	2	7.14	0.72
Station b	3	11.42	1.56
Station c	2	10.15	0.97
Transect 7			
Station a	3	5.10	1.37
Station b	3	4.08	1.50
Station c	1	1.02	0.00
Transect 9			
Station a	2	7.81	1.37
Station b	1	1.52	0.00
Station c	1	3.13	0.00

Bird Species and Diversity Arrayed

by Station and Transect in May 1977

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	3	13.74	2.71
Station b	1	1.25	0.00
Station c	1	1.47	0.00
Transect 4			
Station a	9	9.76	2.90
Station b	6	18.18	1.05
Station c	-	-	-
Transect 5			
Station a	5	12.50	1.93
Station b	3	3.75	1.59
Station c	1	2.94	0.00
Transect 8			
Station a			2.11
Station b	-	-	-
Station c	-	-	-
<u>Spland</u>			
Transect 3			
Station a	1	5.71	0.00
Station b	3	11.43	1.38
Station c	3	10.61	1.15
Transect 7			
Station a	7	9.18	2.24
Station b	1	1.02	0.00
Station c	-	-	0.00
Transect 9			
Station a	5	14.06	2.06
Station b	4	9.38	1.14
Station c	4	9.38	1.92

Table A.1
Bird Species Density and Diversity Arrayed
by Station and Transect in June 1977

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	6	3.47	2.37
Station b	-	-	-
Station c	-	-	-
Transect 4			
Station a	5	7.32	2.05
Station b	1	1.82	0.00
Station c	-	-	-
Transect 5			
Station a	5	7.50	2.11
Station b	1	1.25	0.00
Station c	-	-	-
Transect 8			
Station a	5	7.26	2.28
Station b	-	-	-
Station c	-	-	-
<u>Upland</u>			
Transect 3			
Station a	1	4.29	0.00
Station b	1	2.86	0.00
Station c	3	4.29	1.59
Transect 7			
Station a	1	1.02	0.00
Station b	1	2.04	0.00
Station c	2	0.42	0.41
Transect 9			
Station a	2	25.56	0.52
Station b	1	3.13	0.00
Station c	3	1.81	1.37

Table A12
Bird Species Density and Diversity Arrayed
by Station and Transect in July 1977

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	3	11.86	1.38
Station b	1	2.50	0.00
Station c	-	-	-
Transect 4			
Station a	4	48.78	0.73
Station b	1	1.82	0.00
Station c	-	-	-
Transect 5			
Station a	6	10.00	2.50
Station b	3	7.50	1.50
Station c	-	-	-
Transect 8			
Station a	12	85.48	2.89
Station b	-	-	-
Station c	-	-	-
<u>Plain</u>			
Transect 3			
Station a	2	22.86	0.54
Station b	-	-	-
Station c	1	11.43	0.00
Transect 7			
Station a	-	-	-
Station b	-	-	-
Station c	1	8.16	0.00
Transect 9			
Station a	1	10.75	0.00
Station b	-	-	-
Station c	2	6.25	1.00

Table A14
Bird Species Density and Diversity Arrayed
by Station and Transect in August 1977

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	8	18.64	2.20
Station b	-	-	-
Station c	-	-	-
Transect 4			
Station a	9	23.17	2.44
Station b	-	-	-
Station c	-	-	-
Transect 5			
Station a	10	15.83	1.09
Station b	-	-	-
Station c	-	-	-
Transect 8			
Station a	7	13.71	2.54
Station b	-	-	-
Station c	-	-	-
<u>Upland</u>			
Transect 3			
Station a	-	-	-
Station b	-	-	-
Station c	-	-	-
Transect 7			
Station a	2	9.18	0.99
Station b	1	1.02	0.00
Station c	1	1.02	0.00
Transect 9			
Station a	3	9.38	1.46
Station b	2	54.69	0.19
Station c	3	20.31	0.99

Table A14

Bird Species Density and Diversity Arrayed
by Station and Transect in September 1977

<u>Habitat</u>	<u>Number of Species</u>	<u>Density/ha</u>	<u>Diversity</u>
<u>Marsh</u>			
Transect 1			
Station a	6	5.08	2.58
Station b	-	-	-
Station c	-	-	-
Transect 4			
Station a	5	27.44	1.92
Station b	3	9.09	1.16
Station c	-	-	-
Transect 5			
Station a	1	1.67	0.00
Station b	-	-	-
Station c	-	-	-
Transect 8			
Station a	1	17.74	0.00
Station b	-	-	-
Station c	-	-	-
<u>Upland</u>			
Transect 3			
Station a	-	-	-
Station b	-	-	-
Station c	-	-	-
Transect 7			
Station a	3	3.06	1.59
Station b	1	1.02	0.00
Station c	-	-	-
Transect 9			
Station a	1	1.56	0.00
Station b	-	-	-
Station c	7	12.50	2.73

Table A15

Number of Individuals, Total weight, and Mean Weight of Each Nekton Species Collected
Monthly on Each Transect in Beach Seines and Push Nets, Day and Night
from July 1976 Through June 1977

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
VERTEBRATES						
<i>Anchoa mitchilli</i>						
July						
Reference area						
Tra. J - Day	22	15.2	0.7			
Tra. J - Night	6	6.9	1.2			
Tra. Z - Day	24	19.5	0.8	2	0.9	0.5
Tra. Z - Night	6	4.5	0.8			
Bare Unprotected						
Tra. A - Day	3	2.3	0.8			
Tra. A - Night	1	0.8	0.8			
Tra. I - Day	9	6.2	0.7			
Tra. I - Night	22	15.2	0.7			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight</u>
Marsh						
Pos. B - Day	1	0.7	0.7			
Pos. B - Night	1	1.0	1.0			
Bare Protected						
Tra. X - Day	2	1.8	0.9			
Tra. X - Night						
Tra. Y - Day	24					
Tra. Y - Night	6	0.0	0.0	1	0.5	0.5
Monthly Totals	127	99.2	0.8	3	1.4	0.5
August						
Reference Area						
Tra. J - Day	328	200.0	0.6	2	1.0	0.5
Tra. J - Night	27	19.5	0.7	1	0.8	0.8

(Continued)

Table A15

<u>Parameter</u>	Brach Seine			Push Net		
	<u>Number</u>	Total weight (g)	Mean weight (g)	<u>Number</u>	Total weight (g)	Mean weight (g)
Tra. Z - Day	45	30.6	0.7			
Tra. Z - Night	145	88.9	0.6	1	0.4	0.4
<u>Bare Unprotected</u>						
Tra. A - Day	47	35.7	0.8	9	6.5	0.7
Tra. A - Night	217	131.6	0.6			
Tra. Y - Day	212	104.9	0.5	3	1.7	0.6
Tra. Y - Night	73	48.1	0.7	3	1.4	0.5
<u>Bare Bare Day</u>	107	68.0	0.6			
Tra. B - Night	17	12.0	0.7			
<u>Bare Protected</u>						
Tra. X - Day	219	148.0	0.7			
Tra. X - Night	22	16.5	0.8			
Tra. Y - Day	100	68.9	0.7	1	0.1	0.1
Tra. Y - Night	21	16.3	0.8			
<u>Monthly Totals</u>	1580	989.0	0.6	24	13.8	0.6

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
<i>September</i>						
Reference Area						
Tra. J - Day	17	4.6	0.3			
Tra. J - Night				1	0.1	0.1
Tra. Z - Day	4	4.4	1.1			
Tra. Z - Night	3	2.9	1.0			
More Unprotected						
Tra. A - Day	2	2.7	1.4			
Tra. A - Night	4	4.0	1.0			
Tra. I - Day	5	4.3	0.9	1	0.1	0.1
Tra. I - Night	6	5.4	0.9	2	2.0	1.0
Wetland						
Poss. A - Day						
Poss. B - Night				1	0.4	0.4

(Continued)

Table A15

<u>Parameter</u>	Peach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Bare Protected						
Tr. X - Day	3	2.6	0.9			
Tr. X - Night	4	3.7	0.9			
Tr. Y - Day	1					
Tr. Y - Night	3	2.2	1.1	3	2.3	0.8
Monthly Totals	52	38.4	0.7	8	4.9	0.6
October						
Reference Area						
Tr. Z - Day						
Tr. Z - Night				1		
Monthly Totals				1	0.7	0.7
Summary						
Reference Area						
Tr. Z - Day				1	0.3	0.3
Tr. Z - Night				1	0.3	0.3
Monthly Totals						

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
March						
Reference Area						
Tra. J - Day						
Tra. J - Night	2	2.6	1.3			
Tra. Z - Day						
Tra. Z - Night	1	1.1	1.1			
Data Protected						
Tra. X - Day						
Tra. X - Night	6	6.4	1.1			
Monthly Totals	9					
April						
Reference Area						
Tra. J - Day						
Tra. J - Night	11	7.6	0.7			
Tra. Z - Day						
Tra. Z - Night	39	23.1	0.6			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	22	12.1	0.6			
Tra. I - Day						
Tra. I - Night	21	11.6	0.6			
Marsh						
Tra. B - Day						
Tra. B - Night						
LMF Protected						
Tra. X - Day						
Tra. X - Night						
Tra. Y - Day						
Tra. Y - Night						
Monthly Totals	93	56.4	0.6			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	Total <u>weight (g)</u>	Mean <u>weight (g)</u>	<u>Number</u>	Total <u>weight (g)</u>	Mean <u>weight (g)</u>
May						
Reference Area						
Tra. J - Day	1	2.7	2.7			
Tra. J - Night	121	92.7	0.8			
Tra. s - Day	14	9.7	0.7			
Tra. Z - Night	28	21.1	0.8			
Bare Unprotected						
Tra. A - Day	49	31.7	0.7			
Tra. A - Night	992	206.0	0.2			
Tra. I - Day	16	11.4	0.7			
Tra. I - Night	243	154.5	0.6			
Marsh						
Pos. E - Day	67	45.2	0.7			
Pos. E - Night	2	1.1	0.6			
Bare Protected						
Tra. X - Day	22	16.0	0.7			
Tra. X - Night	93	74.5	0.8			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net	
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>
Tra. Y - Day	11	1.2	0.1		
Tra. Y - Night	3	1.7	0.6		
Monthly Totals	1662	669.5	0.4		
June					
Reference Area					
Tra. J - Day	25	9.4	0.4		
Tra. J - Night	45		0.9		
Tra. Z - Day	229	71.4	0.3		
Tra. Z - Night	45	41.5	0.9		
Bare Unprotected					
Tra. A - Day	40	14.8	0.4		
Tra. A - Night	21	15.6	0.7		
Tra. I - Day	24	8.4	0.4		
Tra. I - Night	34	35.5	1.0		
Marsh					
Pos. E - Day	3	2.0	1.0		
Pos. E - Night					

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Bare Protected						
Tra. X - Day	14	3.7	0.3			
Tra. X - Night	9	7.6	0.8			
Tra. Y - Day						
Tra. Y - Night	4	5.0	1.3			
Monthly Totals	493	251.1	0.5			
Annual Totals	4016		0.5	31	13.9	0.4
<i>Anchoa hepsetus</i>						
Bare Protected						
Tra. Y - Day	4	1.2	0.3			
Tra. Y - Night						
Monthly Totals	4	1.2	0.3			
Annual Totals	4	1.2	0.3			

(Continued)

Table A15

<u>Parameter</u>	Benth Seine	Push Net	
		Total	Mean
<i>Anchoa</i> sp.			
January			
Bare Protected			
Tra. X - Day	2	0.5	0.3
Tra. X - Night			
Monthly Totals	2	0.5	0.3
Annual Totals	2	0.5	0.3
<i>Arius felis</i>			
July			
Reference Area			
Tra. J - Day	8	44.5	5.6
Tra. J - Night			
Bare Unprotected			
Tra. A - Day	10	106.9	10.7
Tra. A - Night			

(Continued)

Table A15

<u>Parameter</u>	<u>Number</u>	Beach Seine		<u>Number</u>	Push Net	
		Total weight (g)	Mean weight (g)		Total weight (g)	Mean weight (g)
Tra. I - Day						
Tra. I - Night	1	1.0	1.0			
Monthly Totals	19	152.4	8.0			
August						
Reference Area						
Tra. J - Day						
Tra. J - Night	17	34.7	2.0			
Tra. Z - Day	1	1.7	1.7			
Tra. Z - Night	1	2.4	2.4			
Bare Unprotected						
Tra. A - Day	2	11.2	5.6			
Tra. A - Night	3	5.5	1.8			
Tra. I - Day						
Tra. I - Night	1	0.4	0.4			

(Continued)

Table A15

<u>Parameter</u>	Fork Catch			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight</u>
Bare Protected						
Tra. Y - Day	29	3.2	0.1			
Tra. Y - Night						
Monthly Totals	54	59.1	0.1			
June						
Reference Area						
Tra. J - Day						
Tra. J - Night	2	0.4	0.2			
Monthly Totals	2	0.4	0.2			
Yearly Totals	43	7.7	0.2			
Brevoortia patronus						
July						
Bare Unprotected						
Tra. A - Day	2	2.8	1.4			
Tra. A - Night						
Monthly Totals	2	2.8	1.4			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total</u>	<u>Mean weight (g)</u>
August						
Bare Protected						
Tra. X - Day						
- Tra. X - Night	3	5.5	1.8			
Monthly Totals	3	5.5	1.8			
January						
Reference Area						
Tra. Z - Day						
- Tra. Z - Night	1	2.4	2.4			
Bare Unprotected						
Tra. A - Day						
- Tra. A - Night	1	4.7	4.7			
Tra. I - Day						
- Tra. I - Night	1	5.8	5.8			
Monthly Totals	3	12.9	4.3			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
February						
Bare Unprotected						
Tra. I - Day						
Tra. I - Night	1	2.1	2.1			
Monthly Totals	1	2.1	2.1			
March						
Reference Area						
Tra. J - Day						
Tra. J - Night					0.7	
Monthly Totals	1	0.7	0.7			
April						
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	2	1.4	0.7			
Monthly Totals	2	1.4	0.7			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight</u>
May						
Reference Area						
Tra. J - Day	1	0.4	0.4			
Tra. J - Night	4	4.1	1.0			
Tra. Z - Day	23	11.2	0.5			
Tra. Z - Night	28	27.4	1.0			
Bare Unprotected						
Tra. A - Day	4	4.4	1.1			
Tra. A - Night						
Tra. I - Day	16	5.5	0.3			
Tra. I - Day	10	8.2	0.8			
Marsh						
Pos. B - Day	8	4.2	0.5			
Pos. B - Night	5	2.3	0.5			
Bare Protected						
Tra. X - Day						
Tra. X - Night	6	9.5	1.6			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net	
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>
Bare Protected					
Tra. X - Day					
Tra. X - Night	1	1.8	1.8		
Monthly Totals	106		0.7		
Yearly Totals	45		4.7		
Atherinidae					
May					
Reference Area					
Tra. J - Day	1	2.7	2.7		
Tra. J - Night					
Tra. Z - Day	1	0.3	0.3		
Tra. Z - Night					
Bare Unprotected					
Tra. A - Day	10	1.1	0.1		
Tra. A - Night					

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	Total <u>weight (g)</u>	Mean <u>weight (g)</u>	<u>Number</u>	Total <u>weight (g)</u>	Mean <u>weight</u>
<i>Triaenopterus</i> <i>Y</i>						
Tra. Y - Day						
Tra. Y - Night	1	0.4	0.4			
Monthly Totals	13/3	9.0	0.70			
Annual Totals	163	161.3	1.0			
<i>Chastodipterus faber</i>						
September						
Reference Area						
Tra. Z - Day				1	0.4	0.4
Tra. Z - Night						
Bare Unprotected						
Tra. A - Day				1	0.2	0.2
Tra. A - Night						
Monthly Totals				2	0.6	0.3
Annual Totals				2	0.6	

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
<i>Citharichthys spilopterus</i>						
July						
Bar. Unprotected						
Tra. A - Day	4	5.6	1.4			
Tra. A - Night						
Tra. I - Day	1	0.6	0.6			
Tra. I - Night	0					
Monthly Totals	5	6.2	1.2			
August						
Reference Area						
Tra. J - Day	0					
Tra. J - Night	1	1.7	1.3			
Monthly Totals	1					
June						
Bar. Protected						
Tra. X - Day						
Tra. X - Night	2	6.2	3.1			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Monthly Totals	2	6.2	3.1			
Yearly Totals	8	13.7	1.7			
<i>Chlorosombrus chrysoura</i>						
September						
Bare Protected						
Tra. X - Day	1	0.1	0.1			
Tra. X - Night						
Monthly Totals	1	0.1	0.1			
Yearly Totals	1	0.1	0.1			
<i>Cymodonton arenarium</i>						
July						
Bare Unprotected						
Tra. A - Day	4	5.6	1.4			
Tra. A - Night						
Monthly Totals	4					

(Continued)

Table A15

<u>Parameter</u>	<u>Number</u>	<u>Beach Seine</u>		<u>Number</u>	<u>Push Net</u>			
		<u>Total weight (g)</u>	<u>Mean weight (g)</u>		<u>Total weight (g)</u>	<u>Mean weight</u>		
August								
Reference Area								
Tr. J - Day								
Tr. J - Night	1	1.7	1.7					
Bare Unprotected								
Tr. A - Day								
Tr. A - Night	2	4.1	2.1					
Bare Protected								
Tr. Y - Day								
Tr. Y - Night	2	2.6	1.3					
Monthly Totals	5	8.4	1.7					
June								
Reference Area								
Tr. J - Day	1	2.7	2.7					
Tr. J - Night								

(Continued)

Table A15

<u>Parameter</u>	<u>Number</u>	Beach Seine		<u>Number</u>	Push Net	
		Total weight (g)	Mean weight (g)		Total weight (g)	Mean weight (g)
Bare Unprotected						
Tra. A - Day	3	10.0	3.3			
Tra. A - Night						
Monthly Totals	4	12.7	3.2			
Yearly Totals	13	26.7	2.1			
<i>Cynodon nebulosus</i>						
May						
Reference Area						
Tra. J - Day						
Tra. J - Night	1	0.6	0.6			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	6	9.4	1.6			
Tra. I - Day						
Tra. I - Night	3	3.2	1.1			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Bare Protected						
Tra. X - Day	1	1.0	1.0			
Tra. X - Night						
Monthly Totals	11	14.2	1.3			
Yearly Totals	11	14.2	1.3			
<i>Cyprinodon variegatus</i>						
July						
Reference Area						
Tra. J - Day	1	2.3	2.3			
Tra. J - Night	3	4.6	1.5			
Tra. Z - Day						
Tra. Z - Night	1		2.6			
Marsh						
Pos. E - Day	1	0.5	0.5			
Pos. E - Night						
Monthly Totals	6	10.0	1.7			

(Continued)

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
August						
Reference Area						
Tra. Z - Day	1	1.9	1.9			
Tra. Z - Night						
Bare Unprotected						
Tra. I - Day						
Tra. I - Night	1	0.9	0.9			
Marsh						
Pos. E - Day	1	2.0	2.0			
Pos. E - Night						
Bare Protected						
Tra. X - Day	1	1.8	1.8			
Tra. X - Night						
Monthly Totals	4	6.6	1.7			

(Continued)

<u>Parameter</u>	<u>Number</u>	Beach Seines		Push Net		<u>Mean weight (g)</u>		
		<u>total weight (g)</u>	<u>mean weight (g)</u>	<u>total weight (g)</u>	<u>mean weight (g)</u>			
September								
Reference Area								
Tra. J - Day	1	1.6	1.6					
Tra. J - Night								
Tra. Z - Day								
Tra. Z - Night				1	1.9	1.9		
Bare Unprotected								
Tra. I - Day								
Tra. I - Night	2	1.9	1.0					
Bare Protected								
Tra. Y - Day	2		0.8					
Tra. Y - Night								
Monthly Totals	5	3.1	1.0	1	1.9	1.9		
October								
Reference Area								
Tra. J - Day	1	0.7	0.7					

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. J - Night	3	2.1	0.7	1	0.3	0.3
Tra. Z - Day	1	0.6	0.6			
Tra. Z - Night	2	1.8	0.9			
Bare Unprotected						
Tra. A - Day	2	2.9	1.5			
Tra. A - Night	4	1.8	0.5			
Tra. I - Day						
Tra. I - Night	2	2.4	1.2			
Bare Protected						
Tra. X - Day						
Tra. X - Night	136	87.4	0.6	9	3.0	0.3
Tra. Y - Day	16	8.1	0.5			
Tra. Y - Night	8	4.3	0.5	3	0.6	0.2
Monthly Totals	175	112.1	0.6	13	3.9	0.3

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
November						
Reference Area						
Tra. J - Day					0.1	0.1
Tra. J - Night	10	6.3	0.6			
Tra. Z - Day						
Tra. Z - Night	35	25.0	0.7	2	0.4	0.2
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	38	26.0	0.7	21	8.9	0.4
Tra. I - Day						
Tra. I - Night	36	30.2	0.8	3	1.4	0.5
Bare Protected						
Tra. X - Day				5	0.8	0.2
Tra. X - Night	11	5.8	0.5	5	1.9	0.4
Tra. Y - Day	56	41.9	0.8	8	1.8	0.2
Tra. Y - Night	83	62.3	0.8	33	20.5	0.6
Monthly Totals	269	197.5	0.7	78	35.8	0.5

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	Total weight (g)	Mean weight (g)	<u>Number</u>	Total weight (g)	Mean weight (g)
January						
Reference Area						
Tra. J - Day				4	3.2	0.8
Tra. J - Night	123	96.1	0.8	1	0.4	0.4
Tra. Z - Day	3	2.5	0.8	12	6.9	0.6
Tra. Z - Night	19	11.2	0.6	3	3.1	1.0
Bare Unprotected						
Tra. A - Day	1	0.3	0.3	7	5.6	0.8
Tra. A - Night	75	39.3	0.5	10	4.9	0.5
Tra. I - Day	10	9.2	0.9			
Tra. I - Night	49	40.9	0.8			
Marsh						
Pos. E - Day						
Pos. E - Night	173	195.2	1.1	25	13.3	0.5
Bare Protected						
Tra. X - Day	28	27.1	1.0	2	1.5	0.8
Tra. X - Night	28	18.0	0.6	2	0.8	0.4

(Continued)

Table A15

<u>Parameter</u>	<u>Beach Seine</u>			<u>Push Net</u>		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. Y - Day	5	2.0	0.4			
Tra. Y - Night	29	36.5	1.3			
Monthly Totals	543	478.3	0.9	66	39.7	0.6
February						
Reference Area						
Tra. J - Day						
Tra. J - Night	19	12.7	0.7	4	1.6	0.4
Tra. Z - Day	1	0.4	0.4			
Tra. Z - Night	15	10.2	0.7			
Bare Unprotected						
Tra. A - Day				3	1.1	0.4
Tra. A - Night	2	1.2	0.6	2	1.3	0.7
Tra. I - Day						
Tra. I - Night	13	13.3	1.0			
Marsh						
Pos. E - Day						
Pos. E - Night	55	44.6	0.8	8	6.4	0.8

(Continued)

<u>Parameter</u>	<u>Number</u>	<u>Biomass Before Push Net</u>		<u>Number</u>	<u>Push Net</u>	
		<u>weight (g)</u>	<u>weight (g)</u>		<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Bare Protected						
Tra. X - Day				23	11.6	0.5
Tra. X - Night	15	13.2	0.9	7	5.5	0.8
Tra. Y - Day	2	2.4	1.2			
Tra. Y - Night	4	1.8	0.5			
Monthly Totals	126	99.8	0.8	47	27.5	0.6
March						
Reference Area						
Tra. J - Day						
Tra. J - Night	2	0.8	0.4			
Tra. Z - Day						
Tra. Z - Night	1	0.3	0.3			
Bare Unprotected						
Tra. I - Day	1	1.5	1.5			
Tra. I - Night	7	2.2	0.3			
Marsh						
Pos. E - Day	1	0.7				
Pos. E - Night	2	0.5	0.3			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Bare Protected						
Tra. Y - Day	4	1.5	0.4			
Tra. Y - Night	10	5.5	0.6			
Monthly Totals	28	13.0	0.5			
April						
Reference Area						
Tra. Z - Day	26	135.1	5.2			
Tra. Z - Night	1	4.9	4.9			
Bare Unprotected						
Tra. A - Day	2	1.1	0.6			
Tra. A - Night						
Tra. I - Day	1	0.8	0.8			
Tra. I - Night						
Marsh						
Pos. E - Day	4	6.4	1.6			
Pos. E - Night	13	7.2	0.6			
Monthly Totals	47	155.5	3.3			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
May						
Bait Unprotected						
Tra. I - Day						
Tra. I - Night	1	1.6	1.6			
Marsh						
Pos. E - Day	13	20.6	1.6			
Pos. E - Night	1	1.7	1.7			
Monthly Totals	15	23.9	1.6			
June						
Reference Area						
Tra. J - Day						
Tra. J - Night	2	3.2	1.6			
Monthly Totals	2	3.2	1.6			
Yearly Totals	1220	1105.8	0.9	205	198.8	0.9

(Continued)

Table A15

Parameter	Bait Sline			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
<i>Dorcasia cepedianum</i>						
July						
Baro Unprotected						
Tra. A - Day	1	1.8	1.8			
Tra. A - Night						
Monthly Totals	1	1.8	1.8			
Yearly Totals	1	1.8	1.8			
<i>Strophurus cerasotus</i>						
January						
Reference Area						
Tra. Z - Day				1	0.1	0.1
Tra. Z - Night	1	0.3	0.3			
Monthly Totals		0.3	0.3	1	0.1	0.1
Yearly Totals		0.3	0.3	1	0.1	0.1
<i>Buinoctonus lefroyi</i>						
August						

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Marsh						
Pos. E - Day	2	1.7	0.9			
Pos. E - Night						
Monthly Totals	2	1.7	0.9			
Yearly Totals	2	1.7	0.9			
<i>Fundulus grandis</i>						
August						
Marsh						
Pos. E - Day	2	4.5	2.3			
Pos. E - Night						
Bare Protected						
Tra. Y - Day	4	7.5	1.8			
Tra. Y - Night						
Monthly Totals	6	12.0	2.0			
October						
Bare Unprotected						
Tra. A - Day	2	9.0	4.5			

Table A10

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tran. A - Night						
Bare Protected						
Tran. X - Day						
Tran. X - Night	1	1.9	1.9	1	0.6	0.6
Monthly Totals	3	10.6	3.6	3	3.3	1.1
November						
Reference Area						
Tran. J - Day						
Tran. J - Night	1	1.5	1.5	1	0.3	0.3
Bare Protected						
Tran. X - Day				1	0.3	0.3
Tran. X - Night						
Tran. Y - Day				1	1.0	1.0
Tran. Y - Night				2	1.3	0.7
Monthly Totals	1	1.5	1.5	2	1.3	0.7

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
January						
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	---	1.5			0.9
Marsh						
Pos. E - Day						
Pos. E - Night	2	8.6	4.3			0.9
Bare Protected						
Tra. X - Day	0	0.6	0.6			
Tra. X - Night	1	1.8	1.8	0		
Tra. Y - Day	1	1.3	1.3			
Tra. Y - Night						
Monthly Totals	4	14.3	3.6			

February

Bare Protected

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight</u>
Tra. X - Day						
Tra. X - Night	3	4.7	1.6	1	0.8	0.8
Monthly Totals	3	4.7	1.6	1	0.8	0.8
March						
Bare Protected						
Tra. X - Day	1	4.5	4.5			
Tra. X - Night						
Monthly Totals			4.5			
June						
Reference Area						
Tra. J - Day						
Tra. J - Night	2	12.9	6.5			
Tra. Z - Day						
Tra. Z - Night	1	6.3	6.3			
Bare Unprotected						
Tra. I - Day	1	5.3	5.3			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	Total <u>weight (g)</u>	Mean <u>weight (g)</u>	<u>Number</u>	Total <u>weight (g)</u>	Mean <u>weight (g)</u>
Tra. I - Night						
Marsh						
Pos. E - Day	3	2.9	2.9			
Pos. E - Night						
Monthly Totals	7	27.4	3.9			
Yearly Totals	25		7.0	3	2.1	0.7
<i>Fundulus similis</i>						
July						
Reference Area						
Tra. J - Day	1	1.9	1.9			
Tra. J - Night	6	10.3	1.7			
Tra. Z - Day	4	4.7	1.2			
Tra. Z - Night	8	9.7	1.2			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	9	24.2	2.7			

(Continued)

Table A15

<u>Parameter</u>	Bogachue			Push Net		
	<u>Number</u>	Total <u>weight (g)</u>	Mean <u>weight (g)</u>	<u>Number</u>	Total <u>weight (g)</u>	Mean <u>weight (g)</u>
Tra. I - Day	40	64.5	1.6			
Tra. I - Night	1	2.2	2.2			
Marsh						
Pos. E - Day	2	3.4	1.7			
Pos. E - Night						
Bare Protected						
Tra. Y - Day	1	1.1	1.1			
Tra. Y - Night	10	13.2	1.3			
Monthly Totals	82	135.2	1.6			
August						
Reference Area						
Tra. J - Day	2	3.5	1.8			
Tra. J - Night	3					
Tra. Z - Day						
Tra. Z - Night	2	2.3	1.2			
bare Unprotected						
Tra. A - Day	11	17.7	1.6			

(Continued)

TABLE A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. A - Night	4	7.7	1.9			
Tra. I - Day	2	1.8	0.9			
Tra. I - Night	12	15.9	1.3			
Bare Protected						
Tra. X - Day	19	37.9	2.0			
Tra. X - Night	3	3.4	1.1			
Monthly Totals	79	133.8	1.7			
September						
Reference Area						
Tra. J - Day				97	218.9	2.3
Tra. J - Night	2	2.6	1.3			
Tra. Z - Day	1	1.8	1.8			
Tra. Z - Night	3	4.5	1.5			
Bare Unprotected						
Tra. A - Day	2	3.6	1.8			
Tra. A - Night	2	3.9	2.0			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. I - Day						
Tra. I - Night	11	4.8	0.4			
Marsh						
Pos. B - Day	37	78.5	2.1			
Pos. B - Night				1	0.4	0.4
Bare Protected						
Tra. X - Day	1	2.5	2.5			
Tra. X - Night						
Tra. Y - Day	10	25.2	2.5			
Tra. Y - Night	13	33.2	2.6	1	0.2	0.2
Monthly Totals	82	160.6	2.0	99	29.5	2.2
October						
Reference Area						
Tra. J - Day						
Tra. J - Night	1	3.9	3.9			

(Continued)

Table A15

	Number	Mean weight (g)	Push Net		
			Total weight (g)	Mean weight (g)	Number
October					
Tra. X - Day	38	55.3	1.5		
Tra. X - Night	11	10.2	0.9		
Tra. Y - Day	1	2.2	2.2		
Tra. Y - Night	1	2.0	2.0		
Bare Protected					
Tra. X - Day					
Tra. X - Night	4	5.0	1.3	1	0.3
Tra. Y - Day	13	10.9	0.8		
Tra. Y - Night	13	20.9	0.8		
Monthly Totals	82	110.4	1.3	1	0.3
November					
Reference Area					
Tra. Z - Day					
Tra. Z - Night	2	1.2	0.6		
Bare Unprotected					

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. A - Day						
Tra. A - Night	11	12.5	1.1	1	0.2	0.2
Bare Protected						
Tra. Y - Day	5	2.6	0.5			
Tra. Y - Night	14	20.9	1.5			
Monthly Totals	32	37.2	1.2	1	0.2	0.2
January						
Reference Area						
Tra. J - Day	1	0.9	0.9			
Tra. J - Night	4	3.7	0.9			
Tra. Z - Day						
Tra. Z - Night				1	0.2	0.2
Bare Unprotected						
Tra. A - Day	1	1.2	1.2			
Tra. A - Night	12	12.2	1.0	5	3.0	0.6
Tra. I - Day	13	10.4	0.8			
Tra. I - Night	7	6.5	0.9			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Marsh						
Pos. E - Day						
Pos. E - Night	14	24.7	1.8	1	0.4	0.4
Bare Protected						
Tra. X - Day	17	23.1	1.4	2	1.2	0.6
Tra. X - Night	6	4.6	0.8			
Tra. G - Day	1	0.5	0.5			
Tra. Y - Night	1	3.4	3.4			
Monthly Totals	77	91.2	1.2	9	4.8	0.5

February**Reference Area**

Tra. Z - Day	1	2.3	2.3
Tra. Z - Night	4	1.3	0.3

Bare Unprotected

Tra. A - Day			
Tra. A - Night	2	5.6	2.8
Tra. I - Day			
Tra. I - Night	18	23.9	1.3

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Marsh						
Pos. E - Day						
Pos. E - Night	2	2.1	1.1			
Bare Protected						
Tra. X - Day	12	8.6	0.7			
Tra. X - Night	5	8.4	1.7			
Tra. Y - Day	2	4.6	2.8			
Tra. Y - Night	1	0.4	0.4			
Monthly Totals	47	57.2	1.2			
March						
Reference Area						
Tra. J - Day	1	5.4	5.4			
Tra. J - Night	3	1.7	0.6			
Bare Unprotected						
Tra. A - Day	2	9.1	4.6			
Tra. A - Night	15	7.9	0.5			

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. I - Day	7	37.8	5.4			
Tra. I - Night	30	13.7	0.5			
Marsh						
Pos. E - Day	4	4.5	1.1			
Pos. E - Night	2	1.4	0.7			
Bare Protected						
Tra. X - Day	3	8.6	2.9			
Tra. X - Night			3.9			
Tra. Y - Day	3	3.4	1.0	16	12.8	0.8
Tra. Y - Night						
Monthly Totals	78	124.2	1.6	16	12.8	0.8
April						
Reference Area						
Tra. J - Day	4	24.6	6.2			
Tra. J - Night						
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	0.7	0.7			

(Continued)

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. I - Day	6	28.6	4.8			
Tra. I - Night	10	36.6	3.7			
Marsh						
Pos. E - Day	30	33.8	1.1			
Pos. E - Night	21	71.3	3.4			
Bare Protected						
Tra. X - Day	2	11.8	5.9			
Tra. X - Night						
Tra. Y - Day	1		4.0			
Tra. Y - Night	3	20.4	6.8			
Monthly Totals	78	231.8	3.0			

May

Reference Area

Tra. J - Day			
Tra. J - Night	9	37.8	4.2
Tra. Z - Day			
Tra. Z - Night	7	11.4	1.6

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Bare Unprotected						
Tra. I - Day						
Tra. I - Night	5	16.2	3.2			
Marsh						
Pos. B - Day	40	74.6	1.9			
Pos. B - Night	20	33.8	1.7			
Bare Protected						
Tra. X - Day	5	12.8	2.6			
Tra. X - Night						
Monthly Totals	36	186.6	2.2			
June						
Reference Area						
Tra. J - Day	2		2.5			
Tra. J - Night	23		2.7			
Tra. Z - Day	1	0.2	0.2			
Tra. Z - Night	8	11.9	1.5			

(Continued)

Table A15

<u>Parameter</u>	<u>Number</u>	<u>Beach Seine</u>		<u>Number</u>	<u>Push Net</u>	
		<u>Total weight (g)</u>	<u>Mean weight (g)</u>		<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	4		0.9			
Tra. I - Day	18	7.5	0.4			
Tra. I - Night	4	5.6	1.4			
Marsh						
Pos. B - Day	109	82.4	0.8			
Pos. B - Night						
Bare Protected						
Tra. X - Day						
Tra. X - Night	4	3.6	0.9			
Tra. Y - Day	114	59.0	0.5			
Tra. Y - Night	1	0.2	0.2			
Monthly Totals	288	240.2	0.8			
Yearly Totals	1011	1508.4	1.5	126	237.6	1.9

(Continued)

Table A15

<u>Parameter</u>	<u>Beach Seine</u>			<u>Push Net</u>		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
<i>Gerres cinereus</i>						
August						
Marsh						
Pos. E - Day						
Pos. E - Night	3	2.5	0.8			
Monthly Totals	3	2.5	0.8			
September						
Bare Unprotected						
Tra. I - Day						
Tra. I - Night	1	0.3	0.3			
Monthly Totals	1	0.3	0.3			
Yearly Totals	4	2.8	0.7			
<i>Gobionellus boleosoma</i>						
July						
Bare Protected						
Tra. Y - Day						

<u>Parameter</u>	<u>Number</u>	Beach Seine		Push Net	
		Total <u>weight (g)</u>	Mean <u>weight (g)</u>	Total <u>weight (g)</u>	Mean <u>weight (g)</u>
Tra. Y - Night	1	0.1	0.1	1	0.1
Monthly Totals	1	0.1	0.1	1	0.1
August					
Marsh					
Pos. E - Day					
Pos. E - Night	1	0.1	0.1		
Bare Protected					
Tra. X - Day					
Tra. X - Night	1	0.2	0.2		
Monthly Totals	2	0.3	0.3		
April					
Reference Area					
Tra. Z - Day	1	1.0	1.0		
Tra. Z - Night					
Bare Unprotected					
Tra. I - Day					

(Continued)

Table A15

<u>Parameter</u>	Benth. Scoring			Push Net		
	<u>Number</u>	<u>weight (mg)</u>	<u>weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. I - Night	1	0.3	0.3			
Monthly Totals	2	1.3	0.7			
May						
Marsh						
Pos. E - Day						
Pos. E - Night	1	0.3	0.3			
Monthly Totals	1	0.3	0.3			
Yearly Totals	6	2.0	0.3	1	0.1	0.1
<i>Cobionellus schufeldti</i>						
August						
Bare Protected						
Tra. X - Day				1	0.1	0.1
Tra. X - Night				1	0.1	0.1
Monthly Totals				2	0.2	0.2
October						
Bare Protected						

(Continued)

Table A15

<u>Parameter</u>	<u>Number</u>	<u>Beach Trawl</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Push Net</u>	<u>Total weight (g)</u>	<u>Mean weight</u>
Tra. Y - Day							
Tra. Y - Night				2		0.2	0.1
Monthly Totals				2		0.2	0.1
Yearly Totals				4		0.4	0.1
<i>Cobitellus</i>							
September							
 Bare Protected							
Tra. X - Day				1		0.1	0.1
Tra. X - Night							
Monthly Totals				1		0.1	0.1
Yearly Totals				1		0.1	0.1
Gobiidae							
October							
Bare Protected							
Tra. Y - Day	1		0.1		0.1		
Tra. Y - Night							

(Continued)

TABLE A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight</u>
Monthly Totals	1	0.1	0.1			
Yearly Totals	1	0.1	0.1			
<i>Harengula jaguana</i>						
July						
Reference Area						
Tra. J - Day	1	0.6	0.6			
Tra. J - Night						
Monthly Totals	1	0.6	0.6			
August						
Reference Area						
Tra. J - Day	2	0.4	0.2			
Tra. J - Night						
Bare Unprotected						
Tra. A - Day	6	4.0	0.7			
Tra. A - Night						

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Mean</u>	<u>Total weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight</u>
Marsh						
Pos. E - Day	2	1.8	0.9			
Pos. E - Night						
Sare Protected						
Tra. X - Day	2	1.8	0.9			
Tra. X - Night						
Monthly Totals	12	8.0	0.7			
January						
Reference Area						
Tra. J - Day	1	0.3	0.3	4	0.4	0.1
Tra. J - Night	20	2.1	0.1	2	0.5	0.3
Tra. Z - Day				1	0.1	0.1
Tra. Z - Night				27	2.9	0.1
Bare Unprotected						
Tra. A - Day				82	9.8	0.1
Tra. A - Night				1	0.1	0.1
Tra. I - Day				9	1.1	0.1
Tra. I - Night				1	0.1	0.1

(Continued)

Table A15

<u>Parameter</u>	Beach Seine			Push Net		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Bare Protected						
Tra. X - Day				1	0.1	0.1
Tra. X - Night						
Monthly Totals	21	2.4	0.1	128	15.1	0.1
February						
Reference Area						
Tra. Z - Day				1	0.2	0.2
Tra. Z - Night				4	0.6	0.2
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	0.2	0.2			
Bare Protected						
Tra. Y - Day						
Tra. Y - Night				1	0.1	0.1
Monthly Totals	1	0.2	0.2	6	0.9	0.2
March						
Reference Area						
Tra. J - Day						
Tra. J - Night	3	1.2	0.4	1	0.3	0.3

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tr. Z - Day	1	0.1	0.1			
Tr. Z - Night	4	1.2	0.3	11	1.4	0.1
Bare Unprotected						
Tr. A - Day						
Tr. A - Night				3	0.6	0.2
Tr. I - Day				1	0.1	0.1
Tr. I - Night				1	0.1	0.1
Bare Protected						
Tr. X - Day						
Tr. X - Night	1	0.3	0.3	3	0.3	0.1
Tr. X - Day						
Tr. X - Night				3	0.3	0.1
Monthly Totals	9	2.8	0.3	23	3.1	0.1
APRIL						
Reference Area						
Tr. Z - Day	2	0.4	0.2			
Tr. Z - Night						

(Continued)

PARAMETER	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Unprotected						
Tra. A - Day	10	2.9	0.3			
Tra. A - Night						
Tra. I - Day	29	8.3	0.3			
Tra. I - Night						
Marsh						
Pos. E - Day	1	0.3	0.3			
Pos. E - Night						
Bare Protected						
Tra. X - Day	8	0.9	0.1			
Tra. X - Night						
Monthly Totals	50	12.8	0.3			
Yearly Totals	93	26.8	0.3			
<i>Hemilepidotus amblyrhynchus</i>						
September A						
Marsh						
Pos. E - Day	1	2.6	2.6			
Pos. E - Night						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Protected						
Tra. X - Day	3	3.4	1.1			
Tra. X - Night						
Monthly Totals	4	6.0	1.5			
Yearly Totals	4	6.0	1.5			
<i>Lagodon rhomboides</i>						
Marsh Protected						
Tra. X - Day						
Tra. X - Night	2	13.1	6.6			
Monthly Totals	2	13.1	6.6			
Yearly Totals	2	13.1	6.6			
<i>Leiostomus xanthurus</i>						
July						
Marsh						
Pos. B - Day	1	11.7	11.7			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Post. E - Night						
Bird Protected						
Tra. X - Day	1	16.4	16.4			
Tra. X - Night						
Monthly Totals	2	28.1	14.1			
August						
March						
Post. E - Day	1	3.1	3.1			
Post. E - Night						
Bird Protected						
Tra. X - Day	1	11.7	11.7			
Tra. X - Night						
Tra. Y - Day	1	5.7	5.7			
Monthly Totals	3	20.5	6.8			
January						
Reference Area						
Tra. J - Day				2	0.2	0.1

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tr. J - Night Site Unprotected						
Tr. A - Day				1	0.1	0.1
Tr. A - Night						
Tr. I - Day						
Tr. I - Night				2	0.2	0.1
March						
Poss. E - Day				2	0.2	0.1
Poss. E - Night						
Site Protected						
Tr. X - Day	5	0.5	0.1			
Tr. X - Night						
Tr. Y - Day						
Tr. Y - Night				1	0.1	0.1
Monthly Totals	5	0.5	0.1	8	0.8	0.1
March						
Reference Area						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Day				3	0.3	0.1
Tra. J - Night	4			20	3.8	0.2
Tra. Z - Day	10	1.4	0.1	32	3.8	0.1
Tra. Z - Night				38	6.4	0.2
Bare Unprotected						
Tra. A - Day	1	0.1	0.1	54	5.9	0.1
Tra. A - Night	1	0.3	0.3	38	7.7	0.2
Tra. F - Day				20	2.6	0.1
Tra. I - Night	9	2.8	0.3	49	12.7	0.3
Bare Protected						
Tra. X - Day				12	1.3	0.1
Tra. X - Night	35	13.3	0.4	6	1.9	0.3
Marsh						
Tra. E - Day	12	6.3	0.5	20	5.1	0.3
Tra. E - Night	130	58.2	0.5	17	6.4	0.4
Tra. Y - Day	11	3.4	0.3	2	0.2	0.1
Tra. Y - Night	58	20.2	0.4	14	4.1	0.3
Monthly Totals	249	107.9	0.4	325	62.3	0.2

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (kg)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
April						
Reference Area						
Tr. J - Day	174	106.3	0.6			
Tr. J - Night	246	325.6	1.3			
Tr. Z - Day	58	102.7	1.8			
Tr. Z - Night	93	120.2	1.3			
Bare Unprotected						
Tr. A - Day						
Tr. A - Night	213	305.3	1.4			
Tr. I - Day	3	1.2	0.4			
Tr. I - Night	203	255.9	1.3			
Marsh						
Pos. B - Day	23	12.1	0.5			
Pos. E - Night	70	63.4	0.9			
Bare Protected						
Tr. X - Day	20	13.0	0.7			
Tr. X - Night	26	42.3	1.6			
Tr. Y - Day						
Tr. Y - Night	43	52.7	1.2			

(Continued)

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Night	43	52.7	1.2			
Monthly Totals	1172	1400.7	1.2			
May						
Reference Area						
Tra. J - Day	6	6.8	1.1			
Tra. J - Night	32	85.9	2.7			
Tra. Z - Day	7	13.6	1.9			
Tra. Z - Night	24	47.4	2.0			
Unprotected						
Tra. A - Day	4	11.8	3.0			
Tra. A - Night	98	204.4	2.1			
Tra. I - Day	9	20.5	2.3			
Tra. I - Night	45	90.3	2.0			
Marsh						
Pos. E - Day	5	7.6	1.5			
Pos. E - Night	6	10.6	1.8			
Baro-Protected						
Tra. X - Day	31	39.9	1.3			
- N						

(Continued)

Table A15

Parameter	Beach Seine			Number	Push Net		
	Number	Total weight (g)	Mean weight (g)		Number	Total weight (g)	Mean weight (g)
Tra. X - Night	35	91.4	2.6				
Tra. Y - Day	18	18.3	1.0				
Tra. Y - Night	119	330.2	2.8				
Monthly Totals	439	1038.7	2.4				
June							
Reference Area							
Tra. J - Day							
Tra. J - Night	57						
Tra. Z - Day	17	55.4	3.3				
Tra. Z - Night	25	93.5	3.7				
Bare Unprotected							
Tra. A - Day	8	34.1	4.3				
Tra. A - Night	37	143.5	3.9				
Tra. Y - Day							
Tra. Y - Night	154	621.9	4.0				
Bare Protected							
Tra. X - Day	2	8.6	4.3				
Tra. X - Night	52	200.1	3.9				

(Continued)

Table A15

Parameter	Push Net		
	Number	Total weight (g)	Mean weight (g)
Tra. Y - Day			
Tra. Y - Night	117	483.8	4.1
Monthly Totals	469	1871.4	4.0
Yearly Totals	2339	4476.8	1.9
Number	333	63.1	0.2
<i>Membres martinica</i>			
July			
Reference Area			
Tra. J - Day	2	2.4	1.2
Tra. J - Night	1	1.4	1.4
Tra. Z - Day	3	2.0	0.7
Tra. Z - Night			
Bare Unprotected			
Tra. A - Day			
Tra. A - Night	2	2.7	1.4
Tra. I - Day	4	5.7	1.4
Tra. I - Night	1	1.6	1.6
Monthly Totals	13	15.8	1.2

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
August						
Reference Area						
Tra. J - Day	39	17.6	0.5			
Tra. J - Night	1	1.3	1.3			
Tra. Z - Day						
Tra. Z - Night						
Bare Unprotected						
Tra. I - Day	8	5.1	0.6			
Tra. I - Night	2	3.4	1.7	2	0.6	0.3
Marsh						
Pos. E - Day	5	3.1	0.6			
Pos. E - Night	1	0.3	0.3			
Bare Protected						
Tra. X - Day	1	1.5	1.5			
Tra. X - Night						
Monthly Totals	66	43.4	0.7	2	0.6	0.3
September						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Reference Area						
Tra. J - Day	1	0.9	0.9			
Tra. J - Night				3	2.0	0.7
Tra. Z - Day						
Tra. Z - Night	6	9.6	1.6			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	6	6.8	1.1	3	2.0	0.7
Tra. I - Day	6	6.6	1.1			
Tra. I - Night	4	3.0	0.8			
Bare Protected						
Tra. X - Day						
Tra. X - Night	11	11.7	1.1	1	1.3	1.3
Tra. Y - Day						
Tra. Y - Night	4	4.1	1.0	2	2.1	1.1
Monthly Totals	38	42.7	1.1	9	7.4	0.8
October						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Reference Area						
Tra. Z - Day						
Tra. Z - Night	1	0.8	0.8			
Monthly Totals	1	0.8	0.8			
March						
Reference Area						
Tra. Z - Day	21	33.7	1.6			
Tra. Z - Night						
Monthly Totals	21	33.7	1.6			
Airfy						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	1	3.3	3.3			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	2.4	2.4			
Tra. I - Day						
Tra. I - Night	1	2.7	2.7			

(Continued)

Table A15

<u>Parameter</u>	<u>Beach Seine</u>			<u>Push Net</u>		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. I - Night	1	2.1	2.1			
Monthly Totals	3	7.8	2.6			
May						
Reference Areas						
Tra. A - Day						
Tra. A - Night	4	11.2	2.8			
Monthly Totals	4	11.2	2.8			
June						
Reference Area						
Tra. J - Day						
Tra. J - Night	5	11.7	2.3			
Tra. Z - Day	1	2.5	2.5			
Tra. Z - Night	3	4.6	1.5			
Bare Unprotected						
Tra. A - Day	2	5.4	2.7			
Tra. A - Night	2					
Tra. I - Day						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. I - Night	3	7.5	2.5			
Bare Protected						
Tra. X - Day						
Tra. X - Night	1	4.0	4.0			
Monthly Totals	17	39.1	2.3			
Yearly Totals	163	194.5	1.2	11	8.0	0.7
<i>Mentha beryllina</i>						
August						
Reference Area						
Tra. J - Day	3	4.7	1.6			
Tra. J - Night						
Tra. Z - Day	1	1.8	1.8			
Tra. Z - Night	1	2.7	2.7			
Bare Unprotected						
Tra. Z - Day	1	1.5	1.5			
Tra. Z - Night						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. I - Day	2	4.1	2.1			
Tra. I - Night						
Monthly Totals	8	14.8	1.9			
September						
Bare Unprotected						
Tra. A - Day	7	18.6	2.7			
Tra. A - Night						
Tra. I - Day	1	2.4	2.4			
Tra. I - Night						
Monthly Totals	8	21.0	2.6			
October						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	1	2.0	2.0			
Monthly Totals	1	2.0	2.0			
January						
Reference Area						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Day	1	2.6	2.6			
Tra. J - Night	9	21.9	2.4			
Tra. Z - Day	1	3.8	3.8			
Tra. Z - Night	9	30.1	3.3	1	0.2	0.2
Bare Unprotected						
Tra. A - Day	2	5.0	2.5	1	0.2	0.2
Tra. K - Night	5	15.0	3.0	1	0.5	0.5
Bare Marsh						
Tra. I - Day	26	73.7	2.8			
Tra. I - Night	26	73.7	2.8			
Pos. B - Day	4	5.2	1.3			
Pos. B - Night	2	4.3	2.2			
Bare Protected						
Tra. X - Day	1	3.3	3.3			
Tra. X - Night	16	58.9	3.7			
Tra. Y - Day	13	32.0	2.5			
Tra. Y - Night	9	34.1	3.8			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Monthly Totals	98	288.7	2.9	3	0.9	0.3
February						
Reference Area						
Tra. J - Day						
Tra. J - Night	1	2.0	2.0	1	0.9	0.9
Tra. Z - Day						
Tra. Z - Night	1	2.7	2.7			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	8	13.0	1.6	1	0.1	0.1
Tra. I - Day						
Tra. I - Night	2	2.8	1.4			
Tra. I - Night	19	40.7	2.1			
Bare Protected						
Tra. X - Day						
Tra. X - Night	4	11.7	2.9			
Tra. Y - Day						
Tra. Y - Night	1	3.0	3.0			
Tra. Y - Night	2	5.1	2.1	2	1.0	0.5

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Monthly Totals	38	78.5	2.1	2	1.0	0.5
March						
Reference Area						
Tra. J - Day	10	20.0	2.0			
Tra. J - Night	2	12.0	6.0			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	2	6.6	3.3			
Tra. I - Day	8	41.1	5.1			
Tra. I - Night	1	5.5	5.5			
Marsh						
Pos. E - Day	4	3.2	0.8			
Pos. E - Night	11	55.3	5.0			
Bare Protected						
Tra. X - Day	1	0.2	0.2			
Tra. X - Night	3	15.1	5.0			
Tra. Y - Day	5	26.0	5.2			

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Night						
Monthly Totals	47	185.0	3.9			
April						
Reference Area						
Tra. J - Day	1	0.4	0.4			
Tra. J - Night						
Bare Unprotected						
Tra. A - Day	1		1.6			
Tra. A - Night						
Tra. L - Day	7	3.4	0.5			
Tra. I - Night						
Marsh						
Pos. E - Day	13	5.8	0.5			
Pos. E - Night	3	7.3	2.4			
Bare Protected						
Tra. X - Day	3	2.1	0.7			

(Continued)

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Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Night						
Monthly Totals	28	19.6	0.7			
May						
Marsh						
Pos. Z - Day						
Pos. - Night	1	2.1	2.1			
Monthly Totals	1	2.1	2.1			
June						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	4	4.0	1.0			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	7	3.7	0.5			
Tra. I - Day	2	1.3	0.7			
Tra. I - Night	14	16.6	1.2			
Bare Protected						

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Day	6	2.6	0.4			
Tra. X - Night						
Tra. Y - Day						
Tra. Y - Night	5	2.6	0.5			
Monthly Totals	38	30.8	0.8			
Yearly Totals	267	642.5	2.4	5	1.9	0.4
<i>Menticirrhus americanus</i>						
July						
Reference Area						
Tra. J - Day	5	9.8	2.4			
Tra. J - Night						
Bare Unprotected						
Tra. I - Day	3	12.6	4.2			
Tra. I - Night						
Monthly Totals	8	22.4	2.8			
August						
Reference Area						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Day	1	0.6	0.6			
Tra. J - Night	12	12.0	1.0			
Tra. Z - Day						
Tra. Z - Night	3	3.5	1.2			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	1.6	1.6			
Tra. I - Day						
Tra. I - Night	3	3.5	1.2			
Bare Protected						
Tra. X - Day						
Tra. X - Night	1	2.5	2.5			
Tra. Y - Day	1	1.5	1.5			
Tra. Y - Night						
Monthly Totals	10	45.0	1.5			
September						
Reference Area						
Tra. J - Day	1	0.4	0.4			

(Continued)

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Night						
Bare Unprotected						
Tra. I - Day	1	0.1	0.1			
Tra. I - Night						
Monthly Totals	2	0.5	0.3			
Yearly Totals	40	26.4	0.7			
<i>Menticirrhus littoralis</i>						
August						
Bare Unprotected						
Tra. A - Day	9	1.7	1.7			
Tra. A - Night						
Monthly Totals	9	15.5	1.7			
June						
Bare Protected						
Tra. Y - Day						
Tra. Y - Night	1	24.0	24.0			
Monthly Totals	1	24.0	24.0			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Yearly Totals	10	39.5	4.0			
<i>Micropogon undulatus</i>						
July						
Bare Unprotected						
Tra. A - Day	24	79.7	3.3			
Tra. A - Night						
Marsh						
Pos. E - Day	7	67.2	9.6			
Pos. E - Night						
Bare Protected						
Tra. X - Day	1	8.9	8.9			
Tra. X - Night						
Tra. Y - Day						
Tra. Y - Night	1	6.2	6.2			
Monthly Totals	33	162.0	4.9			
August						

(continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Reference Area						
Tra. J - Day						
Tra. J - Night	1	10.9	10.9			
Marsh						
Pos. B - Day	1	7.2	7.2			
Pos. B - Night						
Monthly Totals	2	13.1	9.1			
December						
Site Unprotected						
Tra. A - Day						
Tra. A - Night	1	0.2	0.2			
Tra. I - Day						
Tra. I - Night	2	0.2	0.1			
Monthly Totals	3	0.4	0.1			
January						
Reference Area						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Day						
Tra. J - Night				11	2.9	0.3
Tra. Z - Day	1	0.3	0.2			
Tra. Z - Night				36	7.2	0.2
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	0.2	0.2	4	1.3	0.3
Bare Protected						
Tra. X - Day						
Tra. X - Night	1	0.1	0.1	2	0.5	0.3
Tra. Y - Day						
Tra. Y - Night				2	1.3	0.7
Monthly Totals	3	0.6	0.2	55	13.2	0.2
February						
Reference Area						
Tra. J - Day				1	0.2	0.2
Tra. J - Night	1	0.3	0.3	10	2.4	0.2

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Day				12	3.3	0.3
Tra. Z - Night	5	0.9	0.2	23	6.2	0.3
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	5	1.0	0.2	9	1.8	0.2
Tra. I - Day						
Tra. I - Night	2	0.9	0.5			
Bare Protected						
Tra. X - Day						
Tra. X - Night	2	0.7	0.4	6	1.8	0.3
Monthly Totals	15	3.1	0.2	61	15.5	0.3
March						
Reference Area						
Tra. J - Day	23	4.5	0.2			
Tra. J - Night	11	6.0	0.6	12	6.7	0.6
Tra. Z - Day				2	0.2	0.1
Tra. Z - Night	14	7.3	0.5	27	9.1	0.3

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Unprotected						
Tra. A - Day	1	0.1	0.1			
Tra. A - Night	11	7.9	0.7	7	3.5	0.5
Tra. I - Day						
Tra. I - Night	6	2.9	0.5	6	2.0	0.3
Marsh						
Pos. E - Day				2	1.1	0.6
Pos. E - Night	9	6.5	0.7	1	0.9	0.9
Bare Protected						
Tra. X - Day	1	0.5	0.5			
Tra. X - Night	15	8.3	0.6	3	1.1	0.4
Tra. Y - Day						
Tra. Y - Night	10	11.3	1.1	9	5.8	0.6
Monthly Totals	101	55.3	0.5	69	30.4	0.4
April						
Reference Area						
Tra. J - Day	14	12.3	0.9			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Night	107	65.4	0.6			
Tra. Z - Day	6	15.4	2.6			
Tra. Z - Night	97	61.9	0.6			
Bare Unprotected						
Tra. A - Day	12	14.0	1.2			
Tra. A - Night	59	44.4	0.8			
Tra. I - Day	2	2.9	1.5			
Tra. I - Night	113	93.4	0.8			
Marsh						
Pos. E - Day						
Pos. E - Night	3	1.3	0.4			
Bare Protected						
Tra. K - Day	6	5.6	0.9			
Tra. X - Night						
Tra. Y - Day	2	2.8	1.4			
Tra. Y - Night	436	332.8	0.8			

May

Reference Area

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Day	2	1.7	0.9			
Tra. J - Night	69	119.9	1.7			
Tra. Z - Day	5	11.9	2.4			
Tra. Z - Night	159	236.9	1.5			
Bare Unprotected						
Tra. A - Day	5	7.8	1.6			
Tra. A - Night						
Tra. D - Day	3	2.6	0.9			
Tra. I - Night	91	125.7	1.4			
Marsh						
Pos. E - Day	12	16.0	1.3			
Pos. E - Night	3	3.1	1.0			
Bare Protected						
Tra. X - Day	40	57.3	1.4			
Tra. X - Night	25	47.6	1.9			
Tra. Y - Day	2	2.4	1.2			
Tra. Y - Night	70	186.9	2.7			
Monthly Totals	486	819.8	1.7			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
June						
Reference Area						
Tra. J - Day	76	127.2	1.7			
Tra. J - Night	77	157.6	2.1			
Tra. Z - Day	70	132.0	1.9			
Tra. Z - Night	78	131.4	1.7			
Bare Unprotected						
Tra. A - Day	111	209.7	1.9			
Tra. A - Night	141	323.2	2.3			
Tra. I - Day	29	51.5	1.8			
Tra. I - Night	147	261.7	1.8			
Bare Protected						
Tra. X - Day	130	464.2	3.6			
Tra. X - Night	71	204.3	2.9			
Tra. Y - Day	1	1.7	1.7			
Tra. Y - Night	90	237.9	2.6			
Monthly Totals	1021	2302.4	2.3			
Yearly Totals	2100	3551.3	1.7	185	59.1	0.3

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
<i>Mugil cephalus</i>						
July						
Reference Area						
Tra. J - Day	3	91.0	30.3			
Tra. J - Night						
Tra. Z - Day				1	0.7	0.7
Tra. Z - Night						
Bare Unprotected						
Tra. A - Day	136	569.7	38.3			
Tra. A - Night						
Tra. I - Day						
Tra. I - Night	2	52.3	26.2			
Marsh						
Pos. E - Day	2	73.0	36.5			
Pos. E - Night						
Bare Protected						
Tra. X - Day	1	52.6	52.6			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Night						
Tra. Y - Day						
Tra. Y - Night	4	150.5	37.6			
Monthly Totals	148	5689.1	38.4	1	0.7	0.7
August						
Reference Area						
Tra. Z - Day	4	143.3	35.9			
Tra. Z - Night						
Bare Protected						
Tra. X - Day	3	101.5	33.8			
Tra. X - Night						
Tra. I - Day	3	109.8	36.6			
Tra. Y - Night						
Monthly Totals	10	35.6	35.6			
September						
Reference Area						
Tra. Z - Day						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Night				2	29.6	14.8
Bare Protected						
Tra. X - Day	1	6.9	6.9			
Tra. X - Night						
Monthly Totals	1	6.9	6.9	2	29.6	14.8
October						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	1	35.8	35.8			
Monthly Totals	1	35.8	35.8			
January						
Reference Area						
Tra. J - Day						
Tra. J - Night	3	315.6	105.2	1	0.2	0.2
Tra. Z - Day	1	0.2	0.2			
Tra. Z - Night	1	37.1	37.1	1	0.2	0.2

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	4	47.6	11.9	12	3.0	0.3
Tra. I - Day						
Tra. I - Night	2	29.6	14.8	9	1.1	0.1
Marsh						
Pos. E - Day	25	6.1	0.2			
Pos. E - Night	7	89.5	12.8	6	1.2	0.2
Bare Protected						
Tra. X - Day	7	2.1	0.3	1	0.3	0.3
Tra. X - Night	2	18.5	9.3	11	1.9	0.2
Tra. Y - Day						
Tra. Y - Night	1	0.2	0.2	6	3.6	0.6
Monthly Totals	53	546.9	10.3	47	11.5	0.2

February**Reference Area**

(Continued)

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Day						
Tra. J - Night	1	0.2	0.2	2	0.3	0.2
Tra. Z - Day	2	0.4	0.2			
Tra. Z - Night				17	3.7	0.2
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	14	1.6	0.1	8	0.8	0.1
Tra. I - Day						
Tra. I - Night	1	0.4	0.4	2	0.2	0.2
Marsh						
Pos. E - Day						
Pos. E - Night	2	63.7	31.9	9	1.4	0.2
Bare Protected						
Tra. X - Day	1	0.2	0.2			
Tra. X - Night	1	0.2	0.2	15	2.8	0.2
Tra. Y - Day	1	39.5	39.5			
Tra. Y - Night				6	1.1	0.2
Monthly Totals	23	106.2	4.6	59	10.3	0.2

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
March						
Reference Area						
Tra. J - Day	22	5.3	0.2	1	0.3	0.3
a. J - Night	12	3.7	0.3			
Tra. Z - Day	154	30.8	0.2			
Tra. Z - Night	18	4.5	0.3	3	1.3	0.4
Bare Unprotected						
Tra. A - Day	10	3.4	0.3			
Tra. A - Night	130	43.3	0.3	7	2.5	0.4
Tra. I - Day	15	3.9	0.3			
Tra. X - Night	1098	396.7	0.4	20	6.9	0.4
Marsh						
Pos. B - Day				29	7.4	0.3
Pos. B - Night	26	9.7	0.4	4	0.9	0.2
Bare Protected						
Tra. X - Day	132	34.1	0.3			
Tra. X - Night	60	65.1	1.1			
Tra. T - Day	89	22.4	0.3			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Night	11	3.8	0.4			
Monthly Totals	159	290.2	1.8			
May						
Bare Unprotected						
Tra. I - Day						
Tra. I - Night	1	35.1	35.1			
Bare Protected						
Tra. X - Day						
Tra. X - Night	5	149.8	30.0			
Monthly Totals	6	184.9	30.8			
June						
Reference Area						
Tra. J - Day						
Tra. J - Night	6	101.7	17.0			
Tra. Z - Day	6	74.0	12.3			
Tra. Z - Night	2	21.6	10.8			
Bare Unprotected						
Tra. A - Day	1	2.1	2.1			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. A - Night	2	31.8	15.9			
Tra. I - Day	7	153.9	22.0			
Tra. I - Night	1	7.8	7.8			
Marsh						
Pos. E - Day	1	3.2	3.2			
Pos. E - Night						
Bare Protected						
Tra. X - Day	6	548.0	91.3			
Tra. X - Night						
Monthly Totals	32	944.1	29.5			
Yearly Totals	2249	8799.2	3.9	175	71.9	0.4
Gill nets						
July						
Reference Area						
Tra. J - Day	67	522.7	7.8			
Tra. J - Night	23	69.1	3.0			
Tra. Z - Day	1	13.7	13.7			

(Continued)

Table A15

Parameter	Number	Beach Seine		Number	Push Net	
		Total weight (g)	Mean weight (g)		Total weight (g)	Mean weight (g)
Tra. Z - Night	155	125.2	0.8			
Bare Unprotected						
Tra. A - Day	392	1286.9	3.3			
Tra. A - Night	66	214.9	3.3			
Tra. I - Day	4	9.2	2.3			
Tra. I - Night	26	105.3	4.1			
Marsh						
Pos. E - Day	9	96.0	10.7			
Pos. E - Night						
Bare Protected						
Tra. X - Day	19	60.0	4.4			
Tra. X - Night						
Tra. Y - Day						
Tra. Y - Night	26	104.5	4.0			
Monthly Totals	788	2630.3	3.3			

August**Reference Area**

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Mean weight (g)	Mean weight (g)
Tra. J - Day	6	33.6	5.6			
Tra. J - Night	2	8.5	4.3			
Tra. Z -	6	39.9	6.7			
Tra. Z - Night						
Bare Unprotected						
Tra. A - Day	2	13.7	6.9			
Tra. A - Night						
Tra. I - Day						
Tra. I - Night	1	4.8	4.8			
Marsh						
Pos. E - Day	3	34.2	11.4			
Pos. E - Night	10	186.2	18.6			
Bare Protected						
Tra. X - Day	20	150.9	7.6			
Tra. X - Night	38	379.9	10.0			
Tra. Y - Day						
Tra. Y - Night	3	18.6	18.6			
Monthly Totals	91	907.5	10.0			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
February						
Marsh						
Pos. E - Day						
Pos. E - Night				1	0.1	0.1
Monthly Totals				1	0.1	0.1
March						
Pos. E - Day						
Pos. E - Night				1	0.1	0.1
Monthly Totals				1	0.1	0.1
May						
Reference Area						
Tra. Z - Day	2	2.1	1.1			
Tra. Z - Night						
Bare Unprotected						
Tra. I - Day	2	3.0	1.5			
Tra. I - Night	8	21.5	2.7			
Marsh						
Pos. E - Day						
Pos. E - Night	1	1.4	1.4			
Bare Protected						
Tra. X - Day	7	11.9	1.7			
Tra. X - Night	1	3.6	3.6			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Monthly Totals	21	43.5	2.1			
June						
Reference Area						
Tra. J - Day						
Tra. J - Night	25	126.5	5.1			
Tra. Z - Day	8	19.9	2.5			
Tra. Z - Night						
SITE Bare Unprotected						
Tra. A - Day	12	31.7	2.6			
Tra. A - Night	1	11.3	11.3			
Marsh						
Pos. E - Day	48	98.4	2.1			
Pos. E - Night						
Bare Protected						
Tra. X - Day	2	4.1	2.1			
Tra. X - Night	57	151.7	2.7			
Tra. Y - Day	2		1.2			
Tra. Y - Night	151	560.0	3.7			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Monthly Totals	508	2085.7	4.1			
Yearly Totals	1408	5667.0	4.0	1	0.1	0.1

Mugil sp.

April

Bare Unprotected

Tra. A - Day

Tra. A - Night 15 5.6 0.4

Tra. I - Day

Tra. I - Night 20 1.3 0.4

Monthly Totals 35 12.9 0.4

A116

May

Reference Area

Tra. J - Day

Tra. J - Night 7 4.3 0.6

Tra. Z - Day

Tra. Z - Night 6 2.4 0.4

Bare Unprotected

Tra. I - Day

(Continued)

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. I - Night	56	39.5	0.7			
Marsh						
Pos. E - Day	38	36.1	1.0			
Pcs. E - Night	15	9.7	0.7			
Bare Protected						
Tra. X - Day						
Tra. X - Night	7	5.7	0.8			
Tra. Y - Day						
Tra. Y - Night	13	201.6	15.2			
Monthly Totals	142	399.3	2.8			
June						
Reference / sea						
Tra. J - Day	6	6.0	1.0			
Tra. J - Night	67	63.4	1.0			
Tra. Z - Day						
Tra. Z - Night	2	0.8	0.4			
Bare Unprotected						
Tra. A - Day						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. A - Night	14	13.6	1.0			
Tra. I - Day	37	36.1	1.0			
Tra. I - Night						
Marsh						
Pos. E - Day	100	120.0	1.1			
Pos. E - Night						
Bare Protected						
Tra. Y - Day	5	2.1	0.4			
Tra. Y - Night	8	7.2	0.9			
Monthly Totals	248	249.8	1.0			
Yearly Totals	425	662.0	1.6			

*Oligoplites scutus***July****Reference Area**

Tra. J - Day	13	6.7	0.5
Tra. J - Night			
Tra. Z - Day	8	3.8	0.5

(Continued)

Table A15

Parameter	Number	Beach Seine		Number	Push Net			
		Total weight (g)	Mean weight (g)		Total weight (g)	Mean weight (g)		
Tra. Z - Night								
Bare Unprotected								
Tra. A - Day	4	1.8	0.5					
Tra. A - Night								
Tra. I - Day	3	1.5	0.5					
Tra. I - Night	4	1.9	0.5					
Marsh								
Pos. E - Day	2	0.3	0.2					
Pos. E - Night								
Bare Protected								
Tra. Y - Day	2	1.1	0.6					
Tra. Y - Night								
Monthly Totals	36	17.1	0.5					
August								
Reference Area								
Tra. J - Day	?							
Tra. J - Night								
Tra. Z - Day	4	3.2	0.8					
Tra. Z - Night								

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weights (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Unprotected						
Tra. A - Day	4	3.0	0.8			
Tra. A - Night	1	1.3	1.3			
Tra. I - Day	4	3.9	1.0			
Tra. I - Night	1	0.3	0.3			
Marsh						
Pos. E - Day						
Pos. E - Night	3	3.2	1.1			
Bare Protected						
Tra. X - Day	2		1.7			
Tra. X - Night	1	0.8	0.8			
Monthly Totals	23	20.3	0.9			
September						
Reference Area						
Tra. J - Day	11	3.5	0.3			
Tra. J - Night						
Tra. Z - Day	1	0.4	0.4			

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Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Night	1	0.9	0.9	2	0.8	0.4
Bare Protected						
Tra. X - Day	4	5.2	1.3			
Tra. X - Night						
Tra. Y - Day	1	0.1	0.1			
Tra. Y - Night						
Monthly Totals	1 ^a	4.8	0.3	2	0.8	0.4
Yearly Totals	77	42.2	0.5	2	0.8	0.4

A121

Opisthonema oglinum

February

Bare Unprotected

Tra. A - Day

Tra. A - Night

Monthly Totals

Yearly Totals

1 1.3 1.3

1 1.3 1.3

1 1.3 1.3

~ 1.3 on weight

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
February						
Reference Area						
Tra. J - Day						
Tra. J - Night				1	0.5	0.5
Tra. Z - Day						
Tra. Z - Night				1	0.6	0.6
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	0.2	0.2			
Tra. I - Day						
Tra. I - Night				1	0.1	0.1
Monthly Totals	1	0.2	0.2	3	1.2	0.4
March						
Reference Area						
Tra. J - Day						
Tra. J - Night				3	2.5	0.8
Tra. Z - Day						
Tra. Z - Night				3	2.8	0.9

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Unprotected						
Tra. A - Day						
Tra. A - Night				1	1.3	1.3
Tra. I - Day						
Tra. I - Night				1	1.0	1.0
Bare Protected						
Tra. X - Day						
Tra. X - Night	1	2.4	2.4			
Tra. Y - Day						
Tra. Y - Night				1	1.5	1.5
Monthly Totals	1	2.4	2.4	9	99.1	1.0
Yearly Totals	2	2.6	1.3	12	110.3	0.9
<i>Paralichthys albigutta</i>						
July						
Bare Unprotected						
Tra. A - Day	1	1230.0	1230.0			
Tra. A - Night						

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Monthly Totals	1	1230.0	1230.0			
Yearly Totals	1	1230.0	1230.0			
<i>Paralichthys lethostigma</i>						
March						
Reference Area						
Tra. Z - Day				1	4.5	4.5
Tra. Z - Night						
Bare Unprotected						
Tra. I - Day				1	2.2	2.2
Tra. I - Night						
March						
Poa. E - Day				1	0.2	0.2
Poa. E - Night						
Bare Protected						
Tra. X - Day				2	1.0	0.5
Tra. X - Night						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Day						
Tra. Y - Night				2	1.4	0.7
Monthly Totals				7	6.3	0.9
Yearly Totals				7	6.3	0.9
<i>Pogonias chromis</i>						
August						
Marsh						
Pos. E - Day	1	15.3	15.3			
Pos. E - Night	1	15.3	15.3			
Monthly Totals						
June						
Marsh						
Pos. E - Day	3	2.5	0.8			
Pos. E - Night						
Bare Protected						
Tra. X - Day	4	7.9	2.0			
Tra. X - Night	1	3.3	3.3			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Monthly Totals	8	19.6	9.8			
Yearly Totals	9	29.0	3.2			
<i>Polydactylus otonemus</i>						
July						
Bare Unprotected						
Tra. A - Day	1	4.7	4.7			
Tra. A - Night						
Bare Protected						
Tra. X - Day	1	7.2	7.2			
Tra. X - Night						
Tra. Y - Day						
Tra. Y - Night	2	19.6	9.8			
Monthly Totals	4	31.5	7.9			
August						
Bare Protected						
Tra. X - Day						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Night	1	5.5	5.5			
Tra. Y - Day						
Tra. Y - Night	1	12.9	12.9			
Monthly Totals	2	18.4	9.2			
April						
Reference Area						
Tra. Z - Day						
X17 Tra. Z - Night	1	0.5	0.5			
Bare Unprotected						
Tra. I - Day	1	3.0	3.0			
Tra. I - Night	1	3.4	3.4			
Monthly Totals	3	6.9	2.3			
June						
Bare Protected						
Tra. X - Day						
Tra. X - Night	12	10.0	10.9			
Tra. Y - Day						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Night	9	75.7	8.4			
Monthly Totals	12	206.6	9.8			
Yearly Totals	30	263.4	8.8			
<i>Prionotus tribulus</i>						
April						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	1	0.5	0.5			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	0.5	0.5			
Monthly Totals	2	1.0	0.5			
May						
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	0.9	0.9			
Monthly Totals	1	0.9	0.9			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Yearly Totals	3	1.9	0.6			
<i>Sciaenope ocellata</i>						
February						
Reference Area						
Tra. J - Day						
Tra. J - Night	1		0.1			0.1
Tra. Z - Day	2		0.2			0.1
Tra. Z - Night						
Bare Protected						
Tra. X - Day	1		0.1			0.1
Tra. X - Night						
Monthly Totals	4		0.4			0.1
Yearly Totals	4		0.4			0.1
<i>Sphoeroides parvus</i>						
July						
Reference Area						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Day	1	3.0	3.0			
Tra. Z - Night						
Bare Unprotected						
Tra. A - Day	3	4.4	1.5			
Tra. A - Night						
Bare Protected						
Tra. X - Day	1	3.1	3.1			
Tra. X - Night						
Monthly Totals	5	10.5	2.1			
May						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	1	0.1	0.1			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	7.6	7.6			
Tra. I - Day						
Tra. I - Night	1	0.4	0.4			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Monthly Totals	3	8.1	2.7			
Yearly Totals	8	18.6	2.3			
<i>Syphorus plagiusa</i>						
July						
Reference Area						
Tra. Z - Day				1	0.1	0.1
Tra. Z - Night						
Monthly Totals				1	0.1	0.1
October						
Bare Protected						
Tra. Y - Day						
Tra. Y - Night				1	0.1	0.1
Monthly Totals				1	0.1	0.1
June						
Bare Protected						
Tra. X - Day	1	1.7	1.7			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Night						
Tra. Y - Day						
Tra. Y - Night	1	1.6	1.6			
Monthly Totals	2	3.3	3.3			
Yearly Totals	2	3.3	3.3	1	0.1	0.1
<i>Syngnathus louisianae</i>						
August						
Reference Area						
Tra. J - Day						
Tra. J - Night				1	0.3	0.3
Monthly Totals				1	0.3	0.3
May						
Barn Unprotected						
Tra. I - Day	2	0.6	0.3			
Tra. I - Night						
Monthly Totals	2	0.6	0.3			
Yearly Totals	2	0.6	0.3	1	0.3	0.3

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
<i>Synodus foetens</i>						
August						
Bare Unprotected						
Tra. A - Day	1	0.6	0.6			
Tra. A - Night						
Monthly Totals	1	0.6	0.6			
May						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	2	3.2	1.6			
Monthly Totals	2	3.2	1.6			
June						
Reference Area						
Tra. J - Day	2	4.5	2.3			
Tra. J - Night						
Monthly Totals	2		2.3			
Yearly Totals	5	8.3	1.7			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
INVERTEBRATES						
<i>Callinectes sapidus</i>						
July						
Reference Area						
Tra. J - Day	6	3.4	0.6	8	1.5	0.2
Tra. J - Night	6	6.9	1.2			
Tra. Z - Day	12	5.8	0.5	6	1.9	0.3
Tra. Z - Night	6	4.5	0.8	4	0.8	0.2
Bare Unprotected						
Tra. A - Day	10	212.2	21.2	7	4.4	0.6
Tra. A - Night	7	2.5	0.4	1	0.4	0.4
Tra. I - Day	8	90.2	11.3	1	0.2	0.2
Tra. I - Night	1	0.6	0.6	1	0.1	0.1
Marsh						
Pos. E - Day	14	23.2	1.6	6	2.4	0.4
Pos. E - Night						
Bare Protected						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Day	7	30.2	4.3	16	4.8	0.3
Tra. X - Night				22	7.7	0.4
Tra. Y - Day	5	23.8	4.8			
Tra. Y - Night	79	326.0	4.1			
Monthly Totals	161	729.3	4.5	72	24.2	0.3
August						
Reference Area						
Tra. J - Day	5	3.5	0.7			
Tra. J - Night	5	5.8	1.2	2	0.6	0.3
Tra. Z - Day	2	7.3	3.7	1	0.1	0.1
Tra. Z - Night	8	30.9	3.9	4	1.3	0.3
Bare Unprotected						
Tra. A - Day	1	46.3	46.3	1	1.2	1.2
Tra. A - Night	4	183.6	45.9	3	0.6	0.2
Tra. I - Day	3	1.4	0.5	2	0.7	0.4
Tra. I - Night	9	237.1	26.3	1	0.3	0.3
Marsh						

(Continued)

Table A15

Parameter	Benth. Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Pos. E - Day	5	13.9	2.8	7	2.5	0.4
Pos. E - Night	8	16.9	2.1			
Bare Protected						
Tra. X - Day	1	0.7	0.7	7	4.3	0.6
Tra. X - Night	30	200.7	6.7	1	0.3	0.3
Tra. Y - Day	17	63.7	3.8	9	24.1	2.7
Tra. Y - Night	3	90.0	30.0	3	2.2	0.7
Monthly Totals	101	901.8	8.9	41	38.2	0.9
September						
Reference Area						
Tra. J - Day				1	0.1	0.1
Tra. J - Night						
Bare Unprotected						
Tra. A - Day						
Tra. A - Night				6	1.1	0.2
Marsh						
Pos. E - Day				2	0.5	0.3
Pos. E - Night						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Protected						
Tra. X - Day						
Tra. X - Night	1	0.5	0.5	5	1.7	0.3
Monthly Totals	1	0.5	0.5	14	3.4	0.2
October						
Reference Area						
Tra. J - Day				2	0.3	0.2
Tra. J - Night				3	4.6	1.5
Tra. Z - Day				5	2.2	0.4
Tra. Z - Night						
Bare Unprotected						
Tra. A - Day	1	0.1	0.1	2	0.2	0.1
Tra. A - Night	1	0.2	0.2	3	2.6	0.9
Tra. I - Day						
Tra. I - Night	3	0.8	0.3	1	0.3	0.3
Bare Protected						
Tra. X - Day				7	0.8	0.1
Tra. X - Night						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Day	4	0.7	0.2	4	0.6	0.2
Tra. Y - Night	2	0.3	0.2	9	2.0	0.2
Monthly Totals	11	2.1	0.2	36	19.0	0.5
November						
Bare Protected						
Tra. Y - Day						
Tra. Y - Night	3	3.7	1.2	9	0.9	0.1
Monthly Totals	3	3.7	1.2	9	0.9	0.1
January						
Bare Protected						
Tra. X - Day						
Tra. X - Night				1	0.7	0.7
Monthly Totals				1	0.7	0.7
February						
Bare Protected						
Tra. X - Day						
Tra. X - Night	1	4.4	4.4			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Monthly Totals	1	4.4	4.4			
March						
Reference Area						
Tra. J - Day				3	25.6	8.5
Tra. J - Night				3	19.0	6.3
Tra. Z - Day						
Tra. Z - Night	1	3.5	3.5	5	12.6	2.5
Bare Unprotected						
Tra. A - Day						
Tra. A - Night				6	9.3	1.6
Tra. I - Day						
Tra. I - Night				3	27.7	9.2
Marsh						
Pos. B - Day						
Pos. B - Night	2	29.6	14.8	2	2.4	1.2
Bars Protected						
Tra. X - Day				3	15.0	5.0

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Night	5	12.2	2.4	4	0.5	0.1
Tra. Y - Day				2	0.2	0.1
Tra. Y - Night	1	0.1	0.1	2	4.4	2.2
Monthly Totals	9	45.4	5.0	33	116.7	3.5
April						
Reference Area						
Tra. J - Day	3	15.9	5.3			
Tra. J - Night	8	102.4	12.8			
Tra. Z - Day	8	208.5	26.1			
Tra. Z - Night	3	43.3	14.4			
Bare Unprotected						
Tra. A - Day	2	38.1	19.1			
Tra. A - Night	6	27.4	4.6			
Tra. I - Day	1	13.3	13.3			
Tra. I - Night	3	0.8	0.3			
Marsh						
Pos. E - Day	1	1.2	1.2			
Pos. E - Night	9	226.0	25.1			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Protected						
Tra. X - Day	1	1.3	1.3			
Tra. X - Night						
Monthly Totals	45	678.2	15.1			
May						
Reference Area						
Tra. J - Day						
Tra. J - Night	1	0.7	0.7			
Tra. Z - Day	2	128.8	64.4			
Tra. Z - Night	5	122.9	24.6			
Bare Unprotected						
Tra. I - Day	1	0.5	0.5			
Tra. I - Night	3	113.7	37.9			
Marsh						
Pos. B - Day	4	57.3	16.8			
Pos. B - Night	6	4.2	0.7			
Bare Protected						
Tra. X - Day	4	2.9	0.7			

(Continued)

Table A15

Parameter	Hand Net			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Night	8	204.7	25.6			
Tra. Y - Day	2	24.0	12.0			
Monthly Totals	43	741.8	17.3			
June						
Reference Area						
Tra. J - Day						
Tra. J - Night	1	23.5	23.5			
Tra. Z - Day						
Tra. Z - Night	9	185.5	20.6			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	29.7	29.7			
Tra. I - Day	3	.05	0.2			
Tra. I - Night	2	166.1	83.1			
Bare Protected						
Tra. X - Day	2	62.8	31.4			
Tra. X - Night	5	94.9	19.0			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Day						
Tra. Y - Night	7	166.8	23.8			
Monthly Totals	30	729.3	24.3			
Yearly Totals	405	3836.5	9.5	206	203.1	1.0
<i>Callinectes similis</i>						
July						
Reference Area						
Tra. J - Day	1	1.5	1.5	1	0.4	0.4
Tra. J - Night						
Tra. Z - Day				4	0.7	0.2
Tra. Z - Night				3	0.4	0.1
Bare Unprotected						
Tra. A - Day	1	0.1	0.1			
Tra. A - Night						
Tra. I - Day				2	1.0	0.5
Tra. I - Night	4	1.5	0.4			
Marsh						
Pos. E - Day						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Pos. E - Night						
Bare Protected						
Tra. X - Day				4	0.5	0.1
Tra. X - Night						
Monthly Totals	6	3.1	0.5	14	3.0	0.2
August						
Reference Area						
Tra. J - Day	1	0.4	0.4			
Tra. J - Night	12	6.8	0.6	3	0.7	0.2
Tra. Z - Day				2	0.2	0.1
Tra. Z - Night	10	4.7	0.5	4	0.9	0.2
Bare Unprotected						
Tra. A - Day	2	0.6	0.3	4	1.1	0.3
Tra. A - Night	4	1.8	0.5	1	0.5	0.5
Tra. I - Day				5	1.7	0.3
Tra. I - Night	8	3.1	0.4	2	0.5	0.3
Marsh						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Pos. E - Day				3	0.8	0.3
Pos. E - Night	1	0.3	0.3			
Bare Protected						
Tra. X - Day						
Tra. X - Night	6	2.3	0.4	1	0.4	0.4
Tra. Y - Day	1	0.3	0.3			
Tra. Y - Night						
Monthly Totals	45	20.3	0.5	25	6.8	0.3
September						
Reference						
Tra. J - Day				8	2.0	0.3
Tra. J - Night						
Tra. Z - Day	1	0.2	0.2			
Tra. Z - Night				8	1.6	0.2
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	2	0.6	0.3			
Monthly Totals	3	0.8	0.3	22	8.7	0.4

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
June						
Reference Area						
Tra. J - Day	2	1.0	0.5			
Tra. J - Night	4	1.9	0.5			
Tra. Z - Day	1	0.2	0.2			
Tra. Z - Night						
Bare Unprotected						
Tra. A - Day	2	0.9	0.5			
Tra. A - Night	3	2.1	0.7			
Tra. I - Day						
Tra. I - Night	2	1.0	0.5			
Bare Protected						
Tra. X - Day	1	0.7	0.7			
Tra. X - Night	7	3.4	0.5			
Tra. Y - Day	1	0.2	0.2			
Tra. Y - Night	2	2.2	1.1			
Monthly Totals	25	13.2	0.5			

(Continued)

Table A15

Parameter	Number					Push Net	
		Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)	
Yearly Totals	79	37.4	0.5	61	18.5	0.3	
<i>Cli. marias vittatus</i>							
July							
Reference Area							
Tra. J - Day	12	37.3	3.1	1	4.0		4.0
Tra. J - Night	5	11.8	2.4				
Tra. Z - Day	4	5.6	1.4				
Tra. Z - Night	14	32.7	2.3				
Bare Unprotected							
Tra. A - Day	9	33.5	3.7	1	2.2		2.2
Tra. A - Night	10	11.5	2.5				
Tra. I - Day	5	21.3	4.3				
Tra. I - Night	5	16.1	3.2				
Marsh							
Pos. E - Day	7	18.5	2.6	1	5.5		5.5
Pos. E - Night							
Bare Protected							
Tra. X - Day	13	50.7	3.9	7	27.8		4.0

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Night				1	0.9	0.9
Tra. Y - Day	7	22.2	3.2			
Tra. Y - Night	8	31.6	4.0			
Monthly Totals	99			11	39.5	3.6
August						
Reference Area						
Tra. J - Day	2	9.4	4.7	5	13.7	3.7
Tra. J - Night	24	178.4	7.4	10	26.9	2.7
Tra. Z - Day	1	2.6	2.6	4	10.5	2.6
Tra. Z - Night	25	74.1	3.0			
Bare Unprotected						
Tra. A - Day	23	82.4	3.6	1	4.0	4.0
Tra. A - Night	7	31.0	4.4	1	0.5	0.5
Tra. I - Day	2	5.3	2.7	3	9.6	3.2
Tra. I - Night	1	1.0	1.0	3	10.8	3.6
Marsh						
Pos. E - Day	1	10.8	10.8			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Pos. E - Night	7	42.8	6.1	1	4.5	4.5
Bare Protected						
Tra. X - Day	47	241.5	5.1			
Tra. X - Night	30	113.1	3.8	1	5.2	5.2
Tra. Y - Day	21	80.5	3.8	3	11.1	3.7
Tra. Y - Night	16	62.1	3.9	1	3.0	3.0
Monthly Totals	207	935.0	4.5	33	104.6	3.2
September						
Reference Area						
Tra. J - Day	2	4.4	4.4			
Tra. J - Night	1	2.6	1.3			
Tra. Z - Day	2	3.4	1.7	1	1.1	1.1
Tra. Z - Night	3	6.2	2.1			
Bare Unprotected						
Tra. A - Day	1	4.3	4.3	1	5.6	5.6
Tra. A - Night	2	5.9	3.0			
Tra. I - Day	1	2.4	2.4	2	5.0	2.5

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. I - Night	1	6.2	6.2			
Marsh						
Pos. E - Day				4	15.8	4.0
Pos. E - Night	1	2.0	2.0			
Bare Protected						
Tra. X - Day				1	3.1	3.1
Tra. X - Night	2	2.7	1.4	3	6.5	2.2
Tra. Y - Day	4	10.6	2.7			
Tra. Y - Night	10	27.1	2.7	2	4.3	2.2
Monthly Totals	52	178.7	3.4	14	41.5	3.0
October						
Reference Area						
Tra. Z - Day				4	15.5	3.9
Tra. Z - Night						
Bare Unprotected						
Tra. I - Day	1		5.5			
Tra. I - Night						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Protected						
Tra. X - Day				2	6.8	3.4
Tra. X - Night						
Tra. Y - Day	1	0.7	0.7	1	3.5	3.5
Tra. Y - Night						
Monthly Totals	2	6.2	3.1	7	25.6	3.7
Marsh						
Reference Area						
Tra. J - Day	1	3.9	3.9			
Tra. J - Night	3	8.6	2.9			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	3.4	3.4			
Tra. I - Day	2	7.5	3.8			
Tra. I - Night						
Marsh						
Pog. E - Day				1	10.6	10.6

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Pos. B - Night	2	8.8	4.4	1	4.1	4.1
Bare Protected						
Tra. X - Day	1	6.4	6.4	2	4.3	.2
Tra. X - Night	1	0.5	0.5			
Tra. Y - Day	1	1.4	1.4			
Tra. Y - Night	6	22.7	3.8			
Monthly Totals	18	62.7	3.5	4	19.0	4.8
April						
Reference Area						
Tra. J - Day	3	9.3	3.1			
Tra. J - Night	4	12.2	3.1			
Tra. Z - Day	26	135.1	5.2			
Tra. Z - Night	1	4.9	4.9			
Bare Unprotected						
Tra. A - Day	2	1.1	0.6			
Tra. A - Night	4	12.2	3.1			
Tra. I - Day	1	2.3	2.3			
Tra. I - Night						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Marsh						
Pos. E - Day						
Pos. E - Night	1	7.1	7.1			
Bare Protected						
Tra. X - Day						
Tra. X - Night	10	40.3	4.0			
Monthly Totals	52	224.5	4.3			
May						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	1	3.2	3.2			
Bare Unprotected						
Tra. I - Day	3	6.4	2.1			
Tra. I - Night						
Marsh						
Pos. E - Day						
Pos. E - Night	2	4.6	2.3			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Protected						
Tra. X - Day	2	10.5	5.3			
Tra. X - Night	3	9.6	3.2			
Tra. Y - Day	2	3.2	1.6			
Tra. Y - Night						
Monthly Totals	13	37.5	2.9			
June						
Reference Area						
Tra. J - Day	2	4.7	2.4			
Tra. J - Night	2	3.2	1.6			
Tra. Z - Day						
Tra. Z - Night	6	15.0	2.5			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	2	4.6	2.3			
Tra. I - Day						
Tra. I - Night	3	7.6	2.5			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Protected						
Tra. X - Day	4	20.4	5.1			
Tra. X - Night	3	10.0	3.3			
Tra. Y - Day	17	17.6	2.6			
Tra. Y - Night	11	27.0	2.5			
Monthly Totals	50	136.7	2.7			
Yearly Totals	493	1887.7	3.8	69	230.2	3.3
<i>Loligo n. brevis</i>						
August						
Reference Area						
Tra. Z - Day				2	7.1	3.6
Tra. Z - Night						
Monthly Totals				2	7.1	3.6
September						
Reference Area						
Tra. J - Day						
Tra. J - Night				1	2.7	2.7

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Day						
Tra. Z - Night	10	23.2	2.3	1	0.6	0.6
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	4.4	4.4			
Tra. I - Day						
Tra. I - Night	2	3.0	1.5			
Σ Bare Protected						
Tra. X - Day						
Tra. X - Night	4	7.0	2.0	1	2.9	2.9
Tra. Y - Day						
Tra. Y - Night	1	3.0	3.0			
Monthly Totals	18	41.6	2.3	3	6.2	2.1
April						
Bare Unprotected						
Tra. A - Day						
Tra. A - Night						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. I - Day						
Tra. I - Night	3	11.1	3.7			
Monthly Totals	4	20.0	5.0			
June						
Reference Area						
Tra. J - Day						
Tra. J - Night	6	16.9	2.8			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	2	3.4	1.7			
Tra. I - Day						
Tra. I - Night	10	19.9	2.0			
Bare Protected						
Tra. X - Day						
Tra. X - Night	2	5.5	2.8			
Monthly Totals	20	45.7	2.3			
Yearly Totals	42	116	2.7	5	13.3	2.7

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
<i>Neopanope texana texana</i>						
February						
Reference Area						
Tra. J - Day						
Tra. J - Night				1	0.1	0.1
Monthly Totals				1	0.1	0.1
Yearly Totals				1	0.1	0.1
<i>Palaeomonetes intermedius</i>						
July						
Bare Protected						
Tra. I - Day				2	0.6	0.3
Tra. I - Night				2	0.6	0.3
Monthly Totals				2	0.6	0.3
February						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	5	1.1	0.2	2	0.2	0.1

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Unprotected						
Tra. I - Day						
Tra. I - Night	1	0.2	0.2			
Monthly Totals	7	1.4	0.2	2	0.2	0.1
March						
Marsh						
Pos. E - Day						
Pos. E - Night	1	0.1	0.1	2	0.2	0.1
Bare Protected						
Tra. X - Day				2	0.2	0.1
Tra. X - Night				3	0.9	0.3
Tra. Y - Day						
Tra. Y - Night				1	0.1	0.1
Monthly Totals	1	0.1	0.1	8	1.4	0.2
April						
Bare Unprotected						
Tra. I - Day						
Tra. I - Night	1	0.5	0.5			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Monthly Totals	1	0.5	0.5			
May						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	2	0.4	0.2			
Marsh						
Pos. E - Day						
Pos. E - Night	6	1.6	0.3			
Tide Protected						
Tra. X - Day						
Tra. X - Night	1	0.1	0.1			
Monthly Totals	9	2.1	0.2			
June						
Reference Area						
Tra. Z - Day	1	0.1	0.1			
Tra. Z - Night	1	0.1	0.1			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Unprotected						
Tra. I - Day						
Tra. I - Night	1	0.3	0.3			
Marsh						
Pos. E - Day	6	0.6	0.1			
Pos. E - Night						
Bare Protected						
Tra. X - Day	1	0.2	0.2			
Tra. X - Night						
Tra. Y - Day	10	1.5	0.2			
Tra. Y - Night	1	0.1	0.1			
Monthly Totals	21	2.9	0.1			
Yearly Totals	39	7.0	0.2	12	1.4	0.1
<i>Palaemonetes pugio</i>						
July						
Reference Area						
Tra. J - Day				1	0.4	0.4

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Night	1	0.3	0.3			
Tra. Z - Day	2	0.4	0.4	2	0.2	0.1
Tra. Z - Night						
Bare Unprotected						
Tra. A - Day	3	0.9	0.3	4	1.3	0.3
Tra. A - Night	1	0.3	0.3			
Tra. I - Day						
Tra. I - Night	2	0.5	0.3			
Marsh						
Pos. E - Day	2	0.3	0.2			
Pos. E - Night						
Bare Protected						
Tra. X - Day	2	0.4	0.2	3	1.6	0.5
Tra. X - Night						
Tra. Y - Day	1	0.3	0.3			
Tra. Y - Night	4	0.9	0.2			
Monthly Totals	18	4.3	0.2	10	3.5	0.4
August						

(Continued)

Table A15

Parameter	Beach Seinc			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Reference Area						
Tra. J - Day	1	0.1	0.1			
Tra. J - Night						
Tra. Z - Day	3	0.4	0.1	2	0.5	0.3
Tra. Z - Night	2	0.4	0.2	3	0.9	0.3
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	5	0.9	0.2			
Marsh						
Pos. E - Day	1	0.1	0.1	1	0.1	0.1
Pos. E - Night	1	0.1	0.1			
Bare Protected						
Tra. X - Day	3	0.6	0.2	14	1.5	1.1
Tra. X - Night	6	1.0	0.2	1	0.2	0.2
Tra. Y - Day				1	0.2	0.2
Tra. Y - Night						
Monthly Totals	22	3.6	0.2	22	3.4	0.2

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
September						
Marsh						
Pos. E - Day						
Pos. E - Night	1	0.2	0.2	1	0.1	0.1
Bare Protected						
Tra. X - Day						
Tra. X - Night	3	0.4	0.1			
Monthly Totals	4	0.6	0.3	1	0.1	0.1
October						
Bare Protected						
Tra. X - Day	1	0.1	0.1	20	2.0	0.1
Tra. X - Night				11	1.1	0.1
Tra. Y - Day	45	9.7	0.2	136	21.1	0.2
Tra. Y - Night	86	11.5	0.2	410	56.4	0.1
Monthly Totals	132	21.3	0.2	577	80.6	0.1
November						
Reference						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. J - Day						
Tra. J - Night	1	0.2	0.2			
Tra. Z - Day				1	0.1	0.1
Tra. Z - Night				2	0.2	0.1
Bare Unprotected						
Tra. A - Day				7	1.1	0.2
Tra. A - Night	4	1.0	0.3	5	0.7	0.1
Tra. I - Day				2	0.2	0.1
Tra. I - Night	1	0.1	0.1			
Bare Protected						
Tra. X - Day	2	0.3	0.2			
Tra. X - Night	1	0.1	0.1	2	0.3	0.2
Monthly Totals	9	1.7	0.2	19	2.4	0.1
February						
Reference Area						
Tra. J - Day				3	0.5	0.5
Tra. J - Night				1	0.1	0.1
Tra. Z - Day						
Tra. Z - Night	4	0.6	0.2	2	0.2	0.1
Bare Unprotected						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. A - Day				2	0.4	0.2
Tra. A - Night	4	0.5	0.1	3	0.3	0.1
Tra. I - Day						
Tra. I - Night	2	0.5	0.3			
Marsh						
Pos. E - Day						
Pos. H - Night	3	0.3	0.1	1	0.2	0.2
Hare Protected						
Tra. X - Day						
Tra. X - Night	5	0.5	0.1	11	1.1	0.1
Monthly Totals	18	2.4	0.1	23	2.8	0.1
March						
Reference Area						
Tra. Z - Day						
Tra. Z - Night	1	0.1	0.1			
Other						
Pos. E - Day						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Pos. E - Night	2	0.2	0.1			
Bare Protected						
Tra. X - Day				2	0.2	0.1
Tra. X - Night	3	1.2	0.4	5	1.4	0.3
Tra. Y - Day						
Tra. Y - Night	2	0.2	0.1	1	0.3	0.3
Monthly Totals	8	1.7	0.2	8	1.9	0.2
Reference Area						
Tra. J - Day						
Tra. J - Night	7	1.8	0.3			
Tra. Z - Day	5	2.1	0.4			
Tra. Z - Night	3	0.5	0.2			
Bare Unprotected						
Tra. A - Day	9	3.1	0.3			
Tra. A - Night	4	1.0	0.3			
Tra. I - Day	1	0.2	0.2			
Tra. I - Night	9	3.1	0.3			

(Continued)

Table A15

Parameter	Bait Scine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Marsh						
Pos. E - Day						
Pos. E - Night	11	1.8	0.2			
Bare Protected						
Tra. X - Day	6	1.5	0.3			
Tra. X - Night	27	6.1	0.2			
Tra. Y - Day						
Tra. Y - Night	5	1.4	0.3			
Monthly Totals	87	22.6	0.3			
May						
Marsh						
Pos. E - Day						
Pos. E - Night	17	4.4	0.3			
Bare Protected						
Tra. X - Day						
Tra. X - Night	6	1.4	0.2			
Tra. Y - Day	1	0.4	0.4			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Night	20	2.8	0.1			
Monthly Totals	44	9.0	0.2			
June						
Reference Area						
Tra. J - Day						
Tra. J - Night	4	1.6	0.4			
Tra. Z - Day	3	0.3	0.1			
Tra. Z - Night	8	1.7	0.2			
Bare Unprotected						
Tra. A - Day	2	0.4	0.2			
Tra. A - Night	20	2.8	0.1			
Tra. I - Day						
Tra. I - Night	21	7.7	0.4			
Marsh						
Pos. B - Day	31	5.4	0.2			
Pos. E - Night						
Bare Protected						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Day	81	8.6	0.1			
Tra. X - Night	68	10.8	0.2			
Tra. Y - Day	26	3.8	0.2			
Tra. Y - Night	48	0.2	0.1			
Monthly Totals	312	49.3	0.2			
Yearly Totals	663	117.1	0.2	793	110.0	0.1
<i>Palaeomonetes vulgaris</i>						
March						
Bare Unprotected						
Tra. A - Day				1	0.1	0.1
Tra. A - Night						
Bare Protected						
Tra. Y - Day	3	0.5	0.2			
Tra. Y - Night						
Monthly Totals	3	0.5	0.2	1	0.1	0.1
April						
Reference Area						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Day						
Tra. Z - Night	2	0.4	0.2			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	3	0.8	0.3			
Tra. I - Day						
Tra. I - Night	5	1.6	0.3			
Bare Protected						
Tra. X - Day						
Tra. X - Night	2	0.2	0.1			
Tra. Y - Day						
Tra. Y - Night	1	0.5	0.5			
Monthly Totals	13	3.5	0.3			
May						
Reference						
Tra. J - Day						
Tra. J - Night	1	0.1	0.1			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Unprotected						
Tra. I - Day	1	0.2	0.2			
Tra. I - Night	4	1.0	0.3			
Marsh						
Pos. E - Day						
Pos. E - Night	1					
Bare Protected						
Tra. X - Day						
Tra. X - Night	2	0.2	0.1			
Tra. Y - Day						
Tra. Y - Night	8	2.0	0.3			
Monthly Totals	17	3.6	0.2			
June						
Reference Area						
Tra. J - Day	1	0.3	0.3			
Tra. J - Night	1	0.3	0.3			
Tra. Z - Day						

(Continued)

Table A15

Parameter	Beach Spine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Night	2	0.4	0.2			
Bare Unprotected						
Tra. A - Day	2	0.5	0.3			
Tra. A - Night	1	0.2	0.2			
Tra. I - Day						
Tra. I - Night	3		0.3			
Marsh						
Pos. E - Day	15	2.4	0.2			
Pos. E - Night						
Bare Protected						
Tra. Y - Day	17	2.8	0.2			
Tra. Y - Night	5	1.1	0.2			
Monthly Totals	47	9.0	0.2			
Yearly Totals	80	16.6	0.2	1	0.1	0.1
<i>Palaeomonetes</i> sp						
October						
Bare Protected						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Day	69	11.0	0.2	35	5.6	0.2
Tra. Y - Night	4	0.7	0.2	28	3.7	0.1
Monthly Totals	73	11.7	0.2	63	9.3	0.1
November						
Bare Unprotected						
Tra. A - Day						
Tra. A - Night				2	0.2	0.1
Bare Protected						
Tra. X - Day						
Tra. X - Night				1	0.1	0.1
Tra. Y - Day						
Tra. Y - Night				4	0.5	0.1
Monthly Totals	1	0.3	0.3	7	0.8	0.1
January						
Reference Area						
Tra. Z - Day						

(Continued)

TABLE A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Night				3	0.5	0.2
Bare Protected						
Tra. X - Day	1	0.2	0.2			
Tra. X - Night						
Monthly Totals	1	0.2	0.2	3	0.5	0.2
February						
Reference Area						
A15						
Tra. J - Day				1	0.1	0.1
Tra. J - Night	1	0.3	0.3	1	0.1	0.1
Tra. Z - Day				1	0.1	0.1
Tra. Z - Night						
Bare Unprotected						
Tra. A - Day				1	0.1	0.1
Tra. A - Night						
Bare Protected						
Tra. X - Day						
Tra. X - Night				1	0.1	0.1
Tra. Y - Day						

(Continued)

Table A15

Parameter	Number	Beach Seine		Number	Push Net	
		Total weight (g)	Mean weight (g)		Total weight (g)	Mean weight (g)
Tra. Y - Night	3					
Monthly Totals	4	0.8	0.2	5	0.5	0.1
March						
Bare Protected						
Tra. Y - Day						
Tra. Y - Night	1	0.1	0.1			
Monthly Totals	1	0.1	0.1			
April						
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	1	0.3	0.3			
Bare Protected						
Tra. Y - Day						
Tra. Y - Night	2	0.4	0.2			
Monthly Totals	3	0.7	0.2			
May						
Bare Unprotected						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. I - Day	1	0.3	0.3			
Tra. I - Night						
Marsh						
Pos. E - Day						
Pos. E - Night	1	0.1	0.1			
Bare Protected						
Tra. Y - Day						
Tra. Y - Night	6		0.2			
Monthly Totals	8	1.4	0.2			
June						
Bare Protected						
Tra. Y - Day	1	0.2	0.2			
Tra. Y - Night						
Monthly Totals	1	0.2	0.2			
Yearly Totals	92	15.4	0.2	78	11.1	0.1
<i>Penaeus aztecus</i>						
July						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Reference Area						
Tra. J - Day				2	2.2	1.1
Tra. J - Night						
Tra. Z - Day				6	8.4	1.4
Tra. Z - Night						
Bare Unprotected						
Tra. A - Day	138	426.3	3.1	4	1.1	0.3
Tra. A - Night						
Tra. I - Day	3	4.9	1.6	12	6.8	0.6
Tra. I - Night						
Marsh						
Pos. E - Day	1	0.1	0.1			
Pos. E - Night						
Monthly Totals	142	431.5	3.0	24	18.5	0.8
Amount						
Reference Area						
Tra. J - Day	1	0.9	0.9	9	7.5	0.8
Tra. J - Night	21	44.8	2.1	4	6.4	1.6

(Continued)

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Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Day	1	0.8	0.8	10	9.9	1.0
Tra. Z - Night	8	13.9	1.7	13	6.6	0.5
Bare Unprotected						
Tra. A - Day	4	5.3	1.3	17	6.9	0.4
Tra. A - Night	16	10.9	0.7	3	1.2	0.4
Tra. I - Day	1	4.5	4.5	3	8.2	2.7
Tra. I - Night	3	6.8	2.3	6	15.8	2.6
Marsh						
Pos. E - Day	1	0.2	0.2			
Pos. E - Night	5	2.3	0.5			
Bare Protected						
Tra. X - Day	4	4.3	1.1	5	4.3	0.9
Tra. X - Night	10	5.8	0.6	11	0.8	0.6
Tra. Y - Day	3	8.6	2.9			
Tra. Y - Night	7	15.5	2.2	11	1.1	1.1
Monthly Totals	85	124.6	1.5	772	68.7	1.0

September

Reference Area

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Z - Day	3	0.7	0.2	6	2.8	0.5
Tra. Z - Night	4	1.6	0.4	7	6.7	1.0
Bare Unprotected						
Tra. A - Day						
Tra. A - Night				4	0.5	0.1
Tra. I - Day				1	1.2	1.2
Tra. I - Night				2	0.6	0.3
Marsh						
Pos. E - Day				2	1.4	0.7
Pos. E - Night						
Bare Protected						
Tra. X - Day				3	0.3	0.1
Tra. X - Night	2	0.5	0.3			
Tra. Y - Day						
Tra. Y - Night	1	0.3	0.3	2	0.4	0.2
Monthly Totals	10	3.1	0.3	27	13.9	0.5

October**Bare Protected**

(Continued)

Table A15

Parameter	On Gauze			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. Y - Day				2	1.4	0.7
Tra. Y - Night						
Monthly Totals				2	1.4	0.7
May						
Reference Area						
Tra. J - Day						
Tra. J - Night	2	4.3	2.2			
Tra. Z - Day	1	0.5	0.5			
Tra. Z - Night	20	26.0	1.3			
Bare Unprotected						
Tra. A - Day	3	3.3	1.1			
Tra. A - Night						
Tra. I - Day	12	15.2	1.3			
Tra. I - Night	8	9.8	1.2			
Marsh						
Pos. B - Day	3	5.0	1.7			
Pos. B - Night						
Bare Protected						

(Continued)

Table A15

Parameter	Ditch Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. X - Day	19	18.6	1.0			
Tra. X - Night	11	17.4	1.6			
Tra. Y - Day						
Tra. Y - Night	10	15.5	1.6			
Monthly Totals	89	115.3	1.3			
June						
Reference Area						
Tra. J - Day	5	9.6	1.9			
Tra. J - Night	4	26.6	6.7			
Tra. Z - Day						
Tra. Z - Night	7	24.9	3.6			
Bare Unprotected						
Tra. A - Day	3	17.6	5.9			
Tra. A - Night	14	82.6	5.9			
Tra. I - Day						
Tra. I - Night	12		3.4			
Bare Protected						
Tra. X - Day	3	14.9	5.0			

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tr. X - Night						
Tr. Y - Day						
Tr. Y - Night	4	19.2	4.8			
Monthly Totals	52	236.2	4.5			
Yearly Totals	378	910.5	2.4	125	102.5	0.8
<i>Panopeus setiferus</i>						
July						
Reference Area						
Tr. J - Day	9		0.1	4	0.6	0.2
Tr. J - Night						
Tr. Z - Day	13	4.9	0.4	1	0.4	0.4
Tr. Z - Night						
Bare Unprotected						
Tr. A - Day	4	1.0	0.3	1	0.1	0.1
Tr. A - Night						
Tr. I - Day						
Tr. I - Night	5	1.2	0.2			
Marsh						

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Pos. E - Day				1	0.4	0.4
Pos. E - Night						
Bare Protected						
Tra. X - Day	5	1.2	0.2	2	0.4	0.2
Tra. X - Night						
Tra. Y - Day	17	3.6	0.2			
Tra. Y - Night	6	1.6	0.3			
Monthly Totals	59	14.7	0.2	9	1.9	0.2
August						
Reference Area						
Tra. J - Day	88	49.5	0.6	20	17.4	0.9
Tra. J - Night	125	84.2	0.7	14	6.2	0.4
Tra. Z - Day	125	54.4	0.4	19	5.0	0.3
Tra. Z - Night	52	44.8	0.9	23	5.3	0.2
Bare Unprotected						
Tra. A - Day	71	34.2	0.5	5	2.4	0.5
Tra. A - Night	19	12.7	0.7	14	4.8	0.3
Tra. I - Day	7	4.3	0.6	15	8.7	0.6

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. I - Night	41		0.3	9	3.4	0.4
Marsh						
Pos. E - Day	10	1.6	0.2	19	2.1	0.1
Pos. E - Night	17	9.2	0.5			
Bare Protected						
Tra. X - Day	4	4.2	1.1	4	1.5	0.4
Tra. X - Night	78	29.2	0.4	9	2.9	0.3
Tra. Y - Day	29	12.7	0.4	8	2.2	0.3
Tra. Y - Night	76	64.0	0.8	3	2.4	0.8
Monthly Totals	742	440.8	0.6	162	64.3	0.4
September						
Reference Areas:						
Tra. J - Day	42	22.0	0.5	50	22.5	0.5
Tra. J - Night	40	20.2	0.5	106	44.0	0.4
Tra. Z - Day	7	5.1	0.4	13	12.2	0.9
Tra. Z - Night	4	2.8	0.7	13	4.5	0.4
Bare Unprotected						
Tra. A - Day	2	1.5	0.8	4	2.3	0.6

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Tra. A - Night	5	3.5	0.7	17	6.3	0.4
Tra. I - Day	30	16.5	0.6	14	8.8	0.6
Marsh						
Pos. E - Day				34	19.2	0.6
Pos. E - Night	103	57.0	0.6	24	6.7	0.3
Bare Protected						
Tra. X - Day	2	1.3	0.7	26	4.9	0.2
Tra. X - Night	23	0.9	0.9	8	3.9	0.5
Tra. Y - Day	2	1.5	0.8	5	1.3	0.3
Tra. Y - Night	34	14.9	0.4	6	3.1	0.5
Monthly Totals	306	173.6	0.6	347	155.4	0.4
October						
Bare Protected						
Tra. Y - Day				2	0.3	0.2
Tra. Y - Night				1	0.4	0.4
Monthly Totals				3	0.7	0.2
June						
Reference Area						

(Continued)

Table A15

<u>Parameter</u>	<u>Beach Seine</u>			<u>Push Net</u>		
	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>	<u>Number</u>	<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. Z - Day	3	1.2	0.4			
Tra. Z - Night						
Bare Unprotected						
Tra. X - Day						
Tra. X - Night	39	188.4	4.8			
Tra. Y - Day	1	0.7	0.7			
Tra. Y - Night						
Bare Protected						
Tra. A - Day						
Tra. A - Nwght	8	30.2	3.8			
Monthly Totals	51	220.5	4.3			
Yearly Totals	1158			520	222.0	0.4

Trachinus sp.

September

Reference Area

Tra. J - Day

1 0.1 0.1

Tra. J - Night

1 0.1 0.1

Monthly Totals

(Continued)

Table A15

Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
April						
Reference Area						
Tra. J - Day	1	0.1	0.1			
Tra. J - Night						
Bare Protected						
Tra. X - Day	1	0.1	0.1			
Tra. X - Nwght						
Monthly Totals	2	0.2	0.2			
May						
Reference Area						
Tra. J - Day						
Tra. J - Night	6	2.1	0.4			
Bare Unprotected						
Tra. I - Day	5	1.7	0.3			
Tra. I - Night	4	0.9	0.2			
Marsh						
Pos. E - Day						
Pos. E - Night						

(Continued)

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Parameter	Beach Seine			Push Net		
	Number	Total weight (g)	Mean weight (g)	Number	Total weight (g)	Mean weight (g)
Bare Protected						
Tra. X - Day						
Tra. X - Night	2	0.4	0.2			
Monthly Totals	22	6.6	0.3			
June						
Reference Area						
Tra. J - Day	9	3.2	0.4			
Tra. J - Night	22	13.0	0.6			
Tra. Z - Day						
Tra. Z - Night	6	2.7	0.5			
Bare Unprotected						
Tra. A - Day						
Tra. A - Night	3	0.9	0.3			
Monthly Totals	40	19.8	0.5			
Yearly Totals	64	26.6	0.4	1	0.1	0.1

Pagurus polycarpus

August

Reference Area

(Continued)

Table A15 (Concluded)

<u>Parameter</u>	<u>Number</u>	<u>weight (g)</u>	<u>weight (g)</u>	<u>Push Net</u>	
				<u>Total weight (g)</u>	<u>Mean weight (g)</u>
Tra. J - Day					
Tra. J - Night				1	0.5
Monthly Totals				1	0.5
Yearly Totals				1	0.5
Decapod (unidentified)					
August					
Reference Area					
Tra. J - Day					
Tra. J - Night				1	0.1
Monthly Totals				1	0.1
Yearly Totals				1	0.1

Table A16
Total Number of Individuals, Total Weight, and Average Weight of Nekton Captured in Hoop Nets
Minnow Traps from July 1976 Through June 1977.

<u>Classification</u>	Hoop Net			Minnow Trap		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight (g)
<i>Fundulus similis</i>						
June						
Marsh						
Pos. E - Day				0	0.0	0.0
Pos. E - Night				1	0.6	0.6
Bare Protected						
Tra. Y - Day				1	6.9	6.9
Tra. Y - Night				0	0.0	0.0
Monthly Totals				2	3.8	3.8
Yearly Totals				2	3.8	3.8
<i>Lagodon rhomboides</i>						
June						
Bare Protected						
Tra. A - Day				0	0.0	0.0

(Continued)

Classification	Hoop Net			Minnow Trap		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight (g)

Tra. X - Night	1	5.9	5.9
Monthly Totals	1	5.9	5.9
Yearly Totals	1	5.9	5.9

Leiostomus xanthurus

June

Bare Protected

A192	Tra. Y - Day	1	0.7	0.7
	Tra. Y - Night	0	0.0	0.0
	Monthly Totals	1	0.7	0.7
	Yearly Totals	1	0.7	0.7

Micropogon undulatus

June

Bare Unprotected

Tra. A - Day	0	0.0	0.0
Tra. A - Night	1	4.3	4.3
Tra. I - Day	0	0.0	0.0
Tra. I - Night	2	2.8	1.4

(Continued)

Table A16

<u>Classification</u>	Hoop Net			Minnow Trap		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight (g)
Bare Protected						
Tr. X - Day	0	0.0	0.0			
Tr. X - Night	5	19.8	3.9			
Monthly Totals	3	26.8	3.4			
Yearly Totals	3	26.8	3.4			
Mugil curema						
June						
Marsh						
Po. H - Day	0	0.0	0.0			
Po. E - Night	0	6.5	6.5			
Monthly Totals	2	6.5	3.3			
Yearly Totals	2	6.5	3.3			
Mugil p.						
June						
Marsh						
Po. H - Day	0	0.0	0.0			
Po. E - Night	1	0.2	0.2			

(Continued)

Table A16

<u>Classification</u>	Hoop Net			Minnow Trap		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight
Monthly Totals				1	0.2	0.2
Yearly Totals				1	0.2	0.2
<i>Callinectes sapidus</i>						
July						
Bare Unprotected						
Tra. A - Day	1	339.0	339.0			
Tra. A - Night	1	337.0	337.0			
Mixed Protected						
Tra. H - Day	0	0.0	0.0			
Tra. H - Night	1	139.0	271.7			
Monthly Totals	5	815.0	271.0			
September						
Marsh						
Tra. D - Day	0	0.0	0.0			
Tra. D - Night	1	123.0	123.0			
Monthly Totals	1	123.0	123.0			

(Continued)

Table A16

<u>Classification</u>	<u>Hoop Net</u>			<u>Minnow Trap</u>		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight (g)
June						
Reference Area						
Tra.J - Day				0	0.0	0.0
Tra.J - Night				1	0.3	0.3
Bare Unprotected						
Tra.A - Day				1	0.4	0.4
Tra.A - Night				0	0.0	0.0
Tra.I - Day				0	0.0	0.0
Tra.I - Night				1	6.5	6.5
Bare Protected						
Tra.Y - Day				1	0.3	0.3
Tra.Y - Night				0	0.0	0.0
Monthly Totals						
Yearly Totals	4	938.0	234.5	4	7.5	1.8

*Callinectes similis***July****Reference Area**

(Continued)

Table A16

<u>Classification</u>	Hoop Net			Minnow Trap		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight (g)
Tra. Z - Day				1	0.6	0.6
Tra. Z - Night				0	0.0	0.0
Marsh						
Pos. E - Day				0	0.0	0.0
Pos. E - Night				1	0.4	0.4
Bare Protected						
Tra. Y - Day				1	0.4	0.4
Tra. Y - Night				0	0.0	0.0
Monthly Totals				3	1.4	
Yearly Totals				3	1.4	0.5
<i>Clibanaria vittata</i>						
June						
Bare Protected						
Tra. X - Day				0	0.0	0.0
Tra. X - Night				1	0.8	0.8
Monthly Totals				1	0.8	0.8
Yearly Totals				1	0.8	0.8

(Continued)

Table A16

<u>Classification</u>	Hoop Net			Minnow Trap		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight (g)
<i>Palaemonetes intermedius</i>						
June						
Reference Area						
Tra. J - Day				2	0.2	0.1
Tra. J - Night				0	0.0	0.0
Marsh						
Pos. B - Day				7	0.8	0.1
Pos. B - Night				0	0.0	0.0
Monthly Totals				9	1.0	0.1
Yearly Totals				9	1.0	0.1
<i>Palaemonetes fugio</i>						
May						
Marsh						
Pos. B - Day				0	0.6	0.0
Pos. B - Night				2	0.1	0.5
Monthly Totals				2	0.9	0.5

(Continued)

Table A16

<u>Classification</u>	Hoop Net			Minnow Trap		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight (g)
June						
Reference Area						
Tra. J - Day				1	0.4	0.4
Tra. J - Night				4	0.4	0.1
Tra. Z - Day				6	0.6	0.1
Tra. Z - Night				1	0.1	0.1
Bare Unprotected						
Tra. A - Day				0	0.0	0.0
Tra. A - Night				1	0.2	0.2
Marsh						
Pos. E - Day				13	3.1	0.2
Pos. B - Night				42	6.0	0.1
Bare Protected						
Tra. X - Day				0	0.0	0.0
Tra. X - Night				8	1.8	0.2
Tra. Y - Day				0	0.0	0.0
Monthly Totals						
Yearly Totals				77	12.7	0.2
				79	13.6	0.2

(Continued)

Table A16

<u>Classification</u>	Hoop Net			Minnow Trap		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight (g)
<i>Palaemonetes vulgaris</i>						
May						
Reference Area						
Tra. Z - Day	0	0.0	0.0	1	0.3	0.3
Tra. Z - Night	1	0.3	0.3			
Bare Protected						
Tra. Y - Day	0	0.0	0.0	1	0.6	0.6
Tra. Y - Night	1	0.6	0.6			
Monthly Totals	2	0.9	0.5			
June						
Reference Area						
Tra. J - Day	3	0.8	0.3	1	0.1	0.1
Tra. J - Night	1	0.1	0.1	1	0.1	0.1
Tra. Z - Day	1	0.1	0.1	4	0.4	0.4
Tra. Z - Night	4	0.4	0.4			
Marsh						
Pos. E - Day	8	0.9	0.1			

(Continued)

Table A16

<u>Classification</u>	<u>Hoop Net</u>			<u>Minnow Trap</u>		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight
Pos. E - Night				0	0.0	0.0
Pos. E - Day				4	0.9	0.2
Pos. E - Night				0	0.0	0.0
Monthly Totals				21	3.2	0.2
Yearly Totals				23	4.1	0.2
<i>Palaemonetes</i> sp.						
May						
Marsh						
Pos. E - Day				0	0.0	0.0
Pos. E - Night				1	0.4	0.4
Bare Protected						
Tra.Y - Day				0	0.0	0.0
Tra.Y - Night				3	1.1	0.4
Monthly Totals				4	1.5	0.4
Yearly Totals				4	1.5	0.4
<i>Penaeus asteucus</i>						
June						

(continued)

Table A16 (Continued)

<u>Classification</u>	Hoop Net			Minnow Trap		
	Total Number	Total Weight (g)	Average Weight (g)	Total Number	Total Weight (g)	Average Weight
Bare Protected						
Tra. X - Day				0	0.0	0.0
Tra. X - Night				1	3.6	3.6
Monthly Totals				1	3.6	3.6
Yearly Totals				1	3.6	3.6

Table A17

Blue Crabs (*Callinectes sapidus*) Captured in Crab Traps Along Each Transect Monthly,
July 1976 Through June 1977. (Figures for Lengths and Weights are Means)

<u>Parameter</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Transect A								
Day								
Male								
Number	0	2	0	0	0	1	4	2
Weight (g)	0	111	0	0	0	118	124	149
Length (mm)	0	119	0	0	0	119	133	138
Female								
Number	0	2	1	0	2	0	1	4
Weight (g)	0	148	150	0	79	0	100	164
Length (mm)	0	148	131	0	113	0	120	150
Night								
Male								
Number	3	1	—	—	0	1	3	2
Weight (g)	164	216	155	118	0	97.5	92	208
Length (mm)	144	144	140	125	0	123	118	151

(Continued)

Note: No blue crabs were collected in crab pots from November 1976 through February 1977.

Table A17

<u>Parameter</u>	<u>Month</u>							
	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Female								
Number	0	0	0	0	2	0	1	0
Weight (g)	0	0	0	0	139	0	99	0
Length (mm)	0	0	0	0	142	0	129	0
Transect B								
Day								
Male								
Number	0	1	2	0	5	0	2	1
Weight (g)	0	193	149	0	114	0	136	131
Length (mm)	0	147	133	0	121	0	127	126
Female								
Number	0	1	0	0	0	0	0	3
Weight (g)	0	194	0	0	0	0	0	135
Length (mm)	0	164	0	0	0	0	0	137
Night								
Male								
Number	4	11	2	0	0	2	2	2
Weight (g)	188	218	198	0	0	104	119	161

(Continued)

<u>Parameter</u>	<u>Month</u>							
	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Length (mm)	139	144	142	0	0	122	136	143
Female								
Number	0	0	0	0	0	0	1	2
Weight (g)	0	0	0	0	0	0	94	128
Length (mm)	0	0	0	0	0	0	116	135

Transect C

Day

Male

Number	1	0	1	0	0	0	0	0
Weight (g)	145	0	95	0	0	0	0	0
Length (mm)	135	0	129	0	0	0	0	0

Female

Number	0	0	0	0	0	0	0	0
Weight (g)	0	0	0	0	0	0	0	0
Length (mm)	0	0	0	0	0	0	0	0

Night

Male

Continued

Table A17

<u>Parameter</u>	<u>Month</u>							
	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Number	2	0	0	0	0	0	1	0
Weight (g)	267	0	145	0	0	0	126	0
Length (mm)	155	0	124	0	0	0	122	0
Female								
Number	0	0	0	0	0	0	0	0
Weight (g)	0	0	0	0	0	0	0	0
Length (mm)	0	0	0	0	0	0	0	0
Transect D								
Day								
Male								
Number	0	1	2	0	0	0	1	0
Weight (g)	0	104	174	0	0	0	111	0
Length (mm)	0	112	140	0	0	0	114	0
Female								
Number	0	0	1	0	0	0	0	0
Weight (g)	0	0	74	0	0	0	0	0
Length (mm)	0	0	112	0	0	0	0	0

(Continued)

Table A17

<u>Parameter</u>	<u>Month</u>							
	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Night								
Male								
Number	1	0	0	0	0	0	3	
Weight (g)	142	0	0	0	0	0	107	
Length (mm)	135	0	0	0	0	0	119	
Female								
Number	0	0	0	0	0	0	0	
Weight (g)	0	0	0	0	0	0	0	
Length (mm)	0	0	0	0	0	0	0	
Transect F								
Day								
Male								
Number	0	0	0	0	0	0	0	
Weight (g)	0	0	0	0	0	0	0	
Length (mm)	0	0	0	0	0	0	0	
Female								
Number	0	0	0	0	0	0	1	

(Continued)

Table A17

<u>Parameter</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Weight (g)	0	0	0	0	0	0	98	0
Length (mm)	0	0	0	0	0	0	113	0
Night								
Male								
Number	0	2	0	0	0	0	0	0
Weight (g)	0	129	0	0	0	0	0	0
Length (mm)	0	123	0	0	0	0	0	0
Female								
Number	0	0	0	0	0	0	1	0
Weight (g)	0	0	0	0	0	0	53	0
Length (mm)	0	0	0	0	0	0	112	0
Transect D								
Day								
Number	0	0	1	0	0	0	0	0
Weight (g)	0	0	353	0	0	0	0	0
Length (mm)	0	0	176	0	0	0	0	0

(Continued)

Table A17

<u>PARAMETER</u>	<u>Month</u>						
	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>
Female							
Number	0	0	1	0	0	0	0
Weight (g)	0	0	14	0	0	0	0
Length (mm)	0	0	128	0	0	0	0
Night							
Male							
Number	0	0	0	0	0	2	2
Weight (g)	0	0	296	0	0	0	157 149
Length (mm)	0	0	160	0	0	0	+
Female							
Number	0	0	1	0	0	0	2
Weight (g)	0	0	288	0	0	0	57
Length (mm)	0	0	170	0	0	0	122
Transect H							
Day							
Male							
Number	0	2	2	0	0	2	2

(Continued)

Table A17

Parameter	Month									
	July	August	September	October	March	April	May	June	July	August
Weight (g)	0	181	167	0	0	99	148	138		
Length (mm)	0	144	134	0	0	122	136	134		
Female										
Number	0	2	0	0	0	0	1	8		
Weight (g)	0	251	0	0	0	0	71	180		
Length (mm)	0	174	0	0	0	0	107	153		
Night										
Male										
Number	2	2	2	0	0	1	3	3		
Weight (g)	196	181	132	0	0	79	148	145		
Length (mm)	138	132	132	0	0	113	136	134		
Female										
Number	1	1	0	0	0	0	1	0		
Weight (g)	220	192	0	0	0	0	88	0		
Length (mm)	196	170	0	0	0	0	120	0		

Transect I

Day

Male

(Continued)

Table A17

<u>Parameter</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>
Number	0	2	0	0	0	0	1
Weight (g)	0	170	0	0	0	0	146
Length (mm)	0	140	0	0	0	0	128
Female							
Number	0	2	0	0	0	1	2
Weight (g)	0	160	0	0	0	80	90
Length (mm)	0	160	0	0	0	115	115
Night							
Male							
Number	0	1	1	0	0	0	0
Weight (g)	0	258	119	0	0	0	0
Length (mm)	0	111	111	0	0	0	0
Female							
Number	0	2	1	0	0	0	1
Weight (g)	0	200	126	0	0	104	105
Length (mm)	0	167	129	0	0	123	123

(Continued)

TADPOLE DATA

<u>Parameter</u>	<u>Month</u>							
	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Transect J								
Day								
Male								
Number	0	0	2	0	0	0	2	1
Weight (g)	0	0	199	0	0	0	105	120
Length (mm)	0	0	150	0	0	0	127	123
Female								
Number	0	0	0	0	0	0	0	2
Weight (g)	0	0	0	0	0	0	0	216
Length (mm)	0	0	0	0	0	0	0	161
Night								
Male								
Number	5	1	0	0	0	0	0	2
Weight (g)	203	216	0	0	0	0	0	204
Length (mm)	142	151	0	0	0	0	0	111
Female								
Number	2	1	0	0	0	0	0	2
Weight (g)	153	199	0	0	0	0	0	159

(Continued)

Table A17

<u>Parameter</u>	<u>Month</u>						
	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>
Length (mm)	143	170		0	0	0	0
<u>Conduct X</u>							
<u>Day</u>							
Male							
Number	0	0	1	0	0	0	1
Weight (g)	0	0	50	0	0	0	81
Length (mm)	0	0	104	0	0	0	105
Female							
Number	0	1	0	0	0	0	1
Weight (g)	0	185	0	0	0	0	107
Length (mm)	0	115	0	0	0	0	122
<u>Night</u>							
Male							
Number	0	2	0	0	0	4	1
Weight (g)	0	135	0	0	0	108	84
Length (mm)	0	169	0	0	0	124	109

(Continued)

Table A17

<u>Parameter</u>	<u>Month</u>						
	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>
Female							
Number	0	0	1	0	0	0	0
Weight (g)	0	0	160	0	0	0	0
Length (mm)	0	0	145	0	0	0	0
Transect Y							
Day							
Male							
Number	0	0	3	0	0	1	0
Weight (g)	0	0	155	0	0	102	0
Length (mm)	0	0	135	0	0	128	0
Female							
Number	0	0	0	0	0	0	0
Weight (g)	0	0	0	0	0	0	0
Length (mm)	0	0	0	0	0	0	0
Night							
Male							
Number	1	5	2	1	0	0	2

(Continued)

Table A17

<u>Parameter</u>	<u>Month</u>						<u>May</u>	<u>June</u>
	<u>July</u>	<u>Aug</u>	<u>Sept</u>	<u>Oct</u>	<u>March</u>	<u>April</u>		
Weight (g)	185	208	168	114	0	0	155	105
Length (mm)	150	151	135	118	0	0	128	147
Female								
Number	0	0	0	0	0	1	0	0
Weight (g)	0	0	0	0	0	113	0	0
Length (mm)	0	0	0	0	0	122	0	0
Male								
Number	0	0	0	0	0	2	1	0
Weight (g)	0	0	0	0	0	106	117	0
Length (mm)	0	0	0	0	0	122	123	0
Female								
Number	0	0	0	0	0	1	2	4
Weight (g)	0	0	0	0	0	81	83	145
Length (mm)	0	0	0	0	0	120	114	145

(Continued)

117 (Concluded)

<u>Parameter</u>	<u>Month</u>							
	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Night								
Male								
Number	0	1	1	1	0	4	1	3
Weight (g)	0	138	369	87	0	104	74	103
Length (mm)	0	129	174	113	0	124	118	117
Female								
Number	0	9	0	0	0	0	2	4
Weight (g)	0	171	0	0	0	0	129	133
Length (mm)	0	156	0	0	0	0	142	148

Table A18

Monthly Benthos Abundance and Diversity,July 1976 - 28 June 1977

<u>Station</u>	<u>Month</u>	<u>Abundance</u> <u>(No./m²)</u>	<u>Diversity</u>
Z1	July	1580	0.77
	August	480	1.26
	September	340	1.06
	October		0.00
	November	680	1.03
	December	380	0.21
	January	320	1.21
	February	500	0.33
	March	1760	0.77
	April	990	0.00
	May	1777	1.15
	June	307	0.50
Z2	July	3200	1.81
	August	3480	1.51
	September	1260	1.62
	October	1980	1.29
	November	880	1.58
	December	1960	1.29
	January	1300	1.76
	February	3320	1.81
	March	6560	1.63
	April	10653	1.51
			0.64
	June	2024	1.37

(Continued)

Table A18

Station		<u>Diversity</u> <u>(No./m²)</u>	
Z3	July	2760	0.73
	August	700	1.49
	September	4180	0.98
	October	6560	1.14
	November	1100	1.57
	December	1940	0.92
	January	3000	0.79
	February	8140	1.31
	March	1000	1.05
	April	6798	1.34
	May	4473	1.60
	June	1656	1.38
Z4	July	1300	0.84
	August	1700	1.31
	September	580	0.78
	October	2680	0.97
	November	640	1.77
	December	3120	0.88
	January	3020	0.86
	February	7240	1.13
	March	9860	1.17
	April	8512	1.11
	May	2939	1.64
	June	1779	1.00

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
Z5	July	1600	0.99
	August	2680	1.63
	September	620	0.58
			0.73
	November	1020	1.72
	December	3620	1.58
	January	3940	1.10
	February	5180	1.44
	March	3740	1.67
	April	6368	1.51
	May	3922	1.54
	June	1351	1.01
A1	July	100	0.00
	August	300	0.67
	September		0.82
	October	820	0.66
	November	300	0.64
	December	760	0.12
	January	380	0.66
	February	420	0.91
	March	730	0.33
	April	184	0.00
	May	735	0.56
	June	309	0.67

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
A2	July	20	0.00
	August	80	0.56
	September	60	0.00
	October	20	0.00
	November	NS*	-
	December	80	0.69
	January	20	0.00
	February	20	0.69
	March	60	0.64
	April	62	0.00
	May	308	0.95
	June	674	0.30
A3	July	200	1.28
	August	1340	0.47
	September	4260	0.55
	October	400	1.09
	November	1520	0.26
	December	700	0.60
	January	1330	0.83
	February	1260	1.03
	March	4020	1.18
	April	5265	0.05
	May	4165	1.06
	June	6551	0.86

(Continued)

A219

Table A18

Station	Month	Abundance (No./m ²)	Diversity
A4	July	0	0.00
	August	NS	-
	September	2780	1.07
	October	380	1.26
	November	860	1.70
	December	1160	0.59
	January	3280	1.53
	February	7400	1.17
	March	5440	1.43
	April	5574	1.18
	May		0.52
	June	1410	1.07
A5	July	140	1.48
	August	NS	-
	September	1600	0.95
	October	3560	0.75
	November	2140	1.43
	December	3160	1.03
	January	6540	0.99
	February	8180	1.23
	March	5720	1.12
	April	6513	1.45
	May	3674	1.32
	June	2636	1.28

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
B1	July	20	0.00
	August	40	0.00
	September	880	0.68
	October	380	0.63
	November	880	0.59
	December	460	0.93
	January	160	1.04
	February	260	0.43
	March	840	1.30
	April	1349	0.76
	May	1592	0.43
	June	3674	0.55
B2	July	20	0.00
	August	60	0.00
	September	60	0.00
	October	0	0.00
	November	140	1.55
	December	140	0.96
	January	NS	-
	February	240	1.08
	March	220	0.47
	April	1838	0.61
	May	NS	-
	June	123	0.00

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
B3	July	180	0.85
	August	120	0.80
	September	240	0.45
	October	440	0.66
	November	840	0.56
	December	940	1.03
	January	760	1.54
	February	2580	1.12
	March	8380	0.94
	April	10468	0.80
	May	5878	1.14
	June	5879	1.43
B4	July	560	1.16
	August	NS	-
	September	180	1.89
	October	1860	1.61
	November	420	1.34
	December	1200	1.15
	January	3660	1.63
	February	7420	1.53
	March	4250	1.49
	April	9003	1.42
	May	6002	1.51
	June	3556	1.47

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
B5	July	200	1.37
	August	NS	-
	September	1160	1.36
	October	840	1.80
	November	1800	1.34
	December	480	1.08
	January	4780	1.29
	February		1.53
	March	3780	1.10
	April	5942	1.65
	May	1350	1.18
	June	1593	0.83
X1	July	300	0.24
	August	320	0.99
	September	240	0.69
	October	100	0.50
	November	140	1.27
	December	280	0.83
	January	1100	1.28
	February	700	1.00
	March	80	0.69
	April	1593	1.05
	May	1227	0.52
	June	2145	0.79

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
X2	July		-
	August		0.00
	September	80	0.56
	October	40	0.00
	November	20	0.00
	December	120	1.01
	January	360	1.12
	February	140	1.15
	March	180	0.00
	April	368	0.00
	May	4288	1.46
	June	246	0.56
X3	July	600	1.17
	August	460	0.64
	September	500	1.37
	October	280	1.69
	November	340	1.45
	December	220	1.29
	January	660	1.14
	February	2100	1.01
	March	1440	1.11
	April	369	1.10
	May	4961	1.11
	June	2206	1.05

(Continued)

Table A18.

Station	Month	Abundance (No./m ²)	Diversity
X4	July	1680	0.49
	August	760	1.65
	September	900	1.45
	October	500	1.37
	November	3380	1.33
	December	1220	1.17
	January	9999	1.60
	February	19400	1.32
	March	6620	1.57
	April	13774	0.36
	May	5388	1.36
	June	3431	0.92
XS	July	360	1.29
	August	260	1.48
	September	600	1.27
	October	700	1.15
	November	1100	1.97
	December	960	1.95
	January	3120	1.83
	February	5700	1.65
	March	16800	0.50
	April	17080	0.98
	May	4349	0.57
	June	4593	0.80

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
C1	July	20	0.00
	August	120	0.63
			0.00
	October	180	0.35
	November	840	0.84
	December	760	1.04
	January	3140	0.29
	February	820	1.11
	March	1980	0.58
	April	7103	0.53
	May	23747	0.16
	June	12121	0.38
C2	July	80	0.69
	August	vv	0.00
	September	20	0.00
	October	180	0.69
	November	240	0.98
	December	920	0.45
	January	260	0.68
	February	320	0.23
	March	300	0.00
	April	247	0.56
	May	7594	0.71
	June	736	1.14

(Continued)

Table A18

<u>Station</u>	<u>Month</u>	<u>Abundance (No./m²)</u>	<u>Diversity</u>
C3	July	1640	1.14
	August	7280	0.15
	September	500	0.64
	October	40	0.69
	November	1600	1.60
	December	200	1.36
	January	12280	1.09
	February	9140	1.27
	March	5240	1.41
	April	492	1.21
	May	4835	0.87
	June	246	0.69
C4	July	240	1.14
	August	20	1.17
	September	360	1.68
	October	380	1.54
	November	2400	1.76
	December	2380	1.10
	January	3980	1.47
	February	8820	1.75
	March	14980	0.73
	April	12491	0.93
	May	3922	1.34
	June	6611	0.96

(Continued)

Table A18

<u>Station</u>	<u>Month</u>	<u>Abundance</u> <u>(No./m²)</u>	<u>Diversity</u>
C5	July	320	1.03
	August	340	0.92
	September	640	1.66
	October	580	1.62
	November		1.19
	December	1800	1.36
	January	6640	1.54
	February	17500	1.18
	March	19540	0.84
	April	12123	0.90
	May	6430	1.30
	June	5331	1.45
D1	July	0	0.09
	August	20	0.00
	September	160	0.56
	October	1540	0.62
	November	1400	0.81
	December	1880	0.70
	January	4960	0.46
	February	2840	0.37
	March	2880	1.01
	April	3000	1.78
	May	10774	0.19
	June		0.93

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
D2	July	0	0.00
	August	20	0.00
	September	100	0.00
	October	60	1.10
	November	160	0.00
	December	220	0.00
	January	220	0.30
	February	740	0.12
	March	620	0.14
	April	675	0.30
	May	368	0.64
	June	—	0.62
D3	July	280	0.52
	August	240	1.20
	September	200	1.31
	October	1100	1.33
	November	280	1.15
	December	680	1.70
	January	1800	1.68
	February	1480	1.91
	March	1710	1.63
	April	1841	1.40
	May	—	1.36
	June	3552	1.21

Table A16

Station	Month	Abundance (No./m ²)	Diversity
D4	July	1200	1.33
	August	NS	-
	September	2480	1.29
	October	1660	1.37
	November	760	1.01
	December	6440	1.51
	January	6340	1.54
	February		1.37
	March	4160	1.49
	April	12734	0.79
	May	1716	0.75
	June	3616	1.19
D5	July	240	1.31
	August	NS	-
	September	1000	1.21
	October	2980	1.86
	November	340	1.50
	December	2540	1.31
	January		1.25
	February	18240	1.09
	March	2320	1.32
	April	7839	0.86
	May	3614	1.47
	June	6064	1.02

(Continued)

Table A18

Station	Month	Abundance (Nc./m ²)	Diversity
F1	July	500	1.18
	August	120	1.01
	September	180	0.94
	October	180	0.53
	November	700	0.51
	December	240	0.68
	January	440	0.84
	February	320	1.16
	March	640	0.37
	April	1714	1.04
	May	1000	0.86
	June	8386	0.44
F2	July	400	0.00
	August	100	0.00
	September	180	0.64
	October	360	0.67
	November	160	0.66
	December	240	0.72
	January	860	0.84
	February	540	1.01
	March	1200	0.40
	April	738	0.82
	May	429	0.68
	June	124	0.69

(Continued)

Table A18

Station	Month	Abundance (No./m²)	Diversity
F3	July	360	0.83
	August	460	0.82
	September	NS	-
	October	900	1.23
	November	520	0.16
	December	160	1.39
	January	300	1.52
	February	300	1.08
	March	420	0.49
	April	799	1.38
	May	3002	1.64
	June	10960	0.85
F4	July	800	1.27
	August	NS	-
	September		1.09
	October	180	1.06
	November	1080	1.67
	December	6460	1.32
	January	1280	1.52
	February	19400	1.13
	March	26540	0.76
	April	18242	0.45
	May	8328	0.98
	June	1289	1.14

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
F5	July		1.45
	August	NS	-
	September	400	1.61
	October	200	1.37
	November	420	1.34
	December	1620	1.02
	January	4540	1.34
	February	2420	1.11
	March	1720	1.27
	April	7043	0.89
	May	7165	0.82
	June	3493	1.25
G1	July	60	0.00
	August	4740	0.07
	September	940	0.59
	October	1040	0.16
	November	1660	0.07
	December	160	0.00
	January	1260	0.49
	February		0.52
	March	3460	0.43
	April	4227	0.70
	May	2819	0.87
	June	369	0.87

(Continued)

Table A18

<u>Station</u>	<u>Month</u>	<u>Abundance</u> (No./m ²)	<u>Diversity</u>
G2	July	360	0.00
	August	200	0.00
	September	100	1.05
	October	620	0.63
	November	460	0.83
	December	480	0.84
	January	540	0.58
	February	380	0.15
	March	1200	0.50
	April	1043	0.54
	May	4776	1.24
	June	737	0.84
G3	July	320	0.99
	August	240	1.20
	September	140	0.68
	October	160	1.2
	November	680	1.50
	December	620	1.19
	January	3900	1.83
	February	3380	1.53
	March	860	0.90
	April	3675	1.22
	May	1533	1.32
	June	6552	1.21

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
G4	July		1.44
	August	NS	
	September	1740	1.40
	October	420	1.83
	November	960	1.14
	December	2060	2.03
	January	7380	1.75
	February	22440	1.11
	March	16100	0.65
	April	15796	1.07
	May	3921	1.22
	June		1.04
G5	July	420	1.16
	August	NS	
	September	2060	1.73
	October	280	0.90
	November	1800	1.66
	December	5720	1.13
	January	8800	1.16
	February	15960	0.74
	March	23300	0.48
	April	12915	0.35
	May	3736	0.56
	June	4104	0.63

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
Y1	July	680	0.63
	August	140	0.00
	September	1020	0.42
	October	1660	0.18
	November	780	0.12
	December		0.22
	January	1200	0.39
	February	1420	0.93
	March	6800	0.27
	April	3306	0.56
	May	1716	0.74
	June	798	0.79
Y2	July	460	0.73
	August	120	0.45
	September	120	0.45
	October	600	0.00
	November		0.00
	December	1040	0.41
	January	380	0.00
	February	360	1.27
	March	1760	0.51
	April	431	0.79
	May	307	0.67
	June	369	1.01

(Continued)

Table A18

Station	Month	Abundance (No./m²)	Diversity
Y3	July	320	1.42
	August	60	0.00
	September	60	0.64
	October	140	1.48
	November	100	0.00
	December	120	0.45
	January	60	0.64
	February	NS	-
	March	60	0.64
	April	431	1.35
			0.52
	June	1841	1.84
Y4	July	640	1.52
	August	NS	-
	September	540	1.37
	October	940	0.92
	November	980	0.97
	December	6920	0.52
	January	1240	1.39
	February	4080	0.57
	March	8780	0.45
	April	1000	1.02
	May	3980	1.05
	June	3186	0.89

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
Y5	July	100	0.00
	August	NS	-
	September	1020	1.60
	October	2340	1.47
	November	1600	1.75
	December	1420	1.64
	January	4920	1.47
	February	11080	0.96
	March	40960	0.36
	April	15243	0.60
	May	3491	0.84
	June	4348	0.61
H1	July	720	0.59
	August	160	0.38
	September	50	0.00
	October	60	0.64
	November	620	0.24
	December	1840	0.38
	January	320	0.70
	February	1180	0.34
	March	2480	0.24
	April	1654	1.05
	May	124	0.69
	June	491	0.00

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
H2	July	2620	0.18
	August	100	0.67
	September	80	0.56
	October	60	0.00
	November	160	0.00
	December	260	0.00
	January	140	0.68
	February	80	0.56
	March	20	0.00
	April	553	0.96
	May	921	1.36
	June	123	0.00
H3	July	1260	1.00
	August	300	1.08
	September	100	0.95
	October	40	0.69
	November	660	1.29
	December	160	1.21
	January	380	1.09
	February	3380	1.33
	March	2840	1.01
	April	11508	0.61
	May	8488	0.99
	June		0.41

(Continued)

Table A18

Station	Month	Abundance	Diversity
H4	July	2360	0.75
	August	NS	-
	September	4500	0.67
	October	4340	0.82
	November	1040	1.10
	December	8220	0.59
	January	6120	0.38
	February	3720	0.59
	March	7600	1.25
	April	11879	0.84
	May	3982	0.84
	June	3002	1.07
HS	July	120	0.45
	August	NS	-
	September	160	1.49
	October	480	1.51
	November	320	1.55
	December	100	1.67
	January	2940	1.62
	February	2780	0.79
	March	1860	1.66
	April	3676	1.62
	May	2266	0.94
	June	1472	1.23

(Continued)

Table A18

<u>Station</u>	<u>Month</u>	<u>Abundance</u> <u>(No./m²)</u>	<u>Diversity</u>
I1	July	480	0.68
	August	240	0.00
	September	220	0.47
	October		0.50
	November	160	0.56
	December	400	0.69
	January	440	0.86
	February	500	0.61
	March	1500	0.60
	April	308	0.95
	May	240	0.56
	June	248	1.39
I2	July	940	0.10
	August	140	0.41
	September	20	0.00
	October	40	0.00
	November	40	0.00
	December	0	0.00
	January	60	0.64
	February	180	0.35
	March	720	1.48
	April	3942	1.08
			1.05
	June	2449	0.88

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
I3	July	580	1.16
	August	1120	0.71
	September	200	0.33
	October	NS	-
	November	540	1.41
	December	1760	1.10
	January	1320	1.06
	February	2320	0.69
	March		1.25
	April	10162	0.69
	May	5512	0.66
	June	4898	1.10
I4	July	3200	0.87
	August	NS	-
	September	1720	0.64
	October	3860	0.39
	November	2540	1.13
	December	2020	1.15
	January	5880	0.50
	February	9740	0.48
	March	1460	0.70
	April	5511	0.79
	May	1409	0.47
	June	4654	0.89

(Continued)

Table A18

Station	Month	Abundance (No./m ²)	Diversity
I5			0.58
	August	NS	-
	September	780	1.65
	October	200	1.11
	November	380	1.45
	December	1200	1.61
	January	840	1.89
	February	3020	1.43
	March	6640	1.14
	April	3493	1.61
	May	1777	1.40
	June	4353	1.40
J1	July	700	1.28
	August	140	0.41
	September	320	2.05
	October	160	1.49
	November	300	0.00
	December	260	0.69
	January	100	1.05
	February	560	1.48
	March	540	0.32
	April	185	0.64
	May	2451	1.47
	June	2265	0.00

Table A18

Station	Month	Abundance (No./m ²)	Diversity
J2	July	1320	1.58
	August	640	1.33
	September	1600	1.63
	October	1640	1.73
	November	440	1.15
	December	1400	1.38
	January	2960	1.42
	February	2960	1.40
	March	3580	1.69
	April	7469	1.40
	May	3553	1.32
	June	1960	0.81
J3	July	1140	1.56
	August	NS	-
	September	1140	1.56
	October	1100	1.24
	November	480	1.33
	December	1700	1.25
	January	2960	1.37
	February	7760	1.43
	March	3760	1.27
	April	5574	1.44
	May	1287	1.34
	June	1781	1.98

(Continued)

Station	Month	Abundance (No./m²)	Diversity
J4	July	360	0.68
	August	NS*	-
	September	1180	1.65
	October	700	1.53
	November	1800	2.09
	December	1060	2.00
	January	1560	1.50
	February	1860	1.53
	March	2280	1.93
	April	5513	1.54
	May	2454	1.95
	June	2023	1.59
J5			0.64
	August	NS	-
	September	120	1.01
	October	260	1.04
	November	680	1.72
	December	880	1.62
	January	1780	1.81
	February	2220	1.87
	March	4460	1.97
	April	4167	1.98
	May	1901	1.48
	June	1289	1.45

* NS = No sample.

Table A19
Annual Mean Volatile Solids Percentages for Each Station at Bolivar
Peninsula from July 1976 through June 1977

<u>Habitat</u>	<u>Trap Number</u>	<u>Near Annual Volatile Solids Percentage (Mean and SD)</u>
Pure Unprotected	A1	0.872 \pm 0.200
	A2	0.893 \pm 0.261
	A3	0.835 \pm 0.305
	A4	0.920 \pm 0.228
	A5	0.803 \pm 0.138
Mixed Unprotected	I1	0.756 \pm 0.191
	I2	0.708 \pm 0.220
	I3	0.662 \pm 0.188
	I4	0.710 \pm 0.289
	I5	0.823 \pm 0.208
Mixed Protected	B1	0.929 \pm 0.369
	B2	0.897 \pm 0.212
	B3	0.827 \pm 0.252
	B4	0.724 \pm 0.196
	B5	0.839 \pm 0.233
Pure Protected	H1	0.807 \pm 0.173
	H2	0.833 \pm 0.152
	H3	0.692 \pm 0.135
	H4	0.686 \pm 0.200
	H5	0.921 \pm 0.298

(Continued)

Table A19

<u>Habitat</u>	<u>Transect & Station</u>	<u>Mean Annual Volatile Solids Percentage (Mean, and SD)</u>
Bare Unprotected	X1	1.243 \pm 0.641
	X2	1.085 \pm 0.171
	X3	1.124 \pm 0.341
	X4	0.938 \pm 0.400
	X5	0.846 \pm 0.203
	Y1	0.763 \pm 0.155
	Y2	0.811 \pm 0.230
	Y3	0.743 \pm 0.288
	Y4	0.938 \pm 0.143
	Y5	0.785 \pm 0.267
Mixed Unprotected	C1	1.536 \pm 0.632
	C2	1.913 \pm 0.523
	C3	1.729 \pm 0.535
	C4	0.918 \pm 0.289
	C5	0.815 \pm 0.182
	G1	0.762 \pm 0.175
	G2	1.155 \pm 0.479
	G3	1.386 \pm 0.722
	G4	1.005 \pm 0.215
	G5	1.066 \pm 0.300

(Continued)

Table A19 (Concluded)

Habitat	Transect & Station	Mean Annual Volatile Solids Percentage (Mean and SD)
Marsh	D1	1.103 \pm 0.502
	D2	1.057 \pm 0.484
	D3	0.939 \pm 0.326
	D4	1.322 \pm 0.497
	D5	1.622 \pm 0.605
	F1	0.789 \pm 0.288
	F2	0.945 \pm 0.323
	F3	0.906 \pm 0.316
	F4	0.966 \pm 0.242
	F5	0.895 \pm 0.125
Reference	J1	0.962 \pm 0.235
	J2	0.885 \pm 0.171
	J3	0.867 \pm 0.145
	J4	1.028 \pm 0.274
	J5	0.763 \pm 0.259
Z	Z1	1.571 \pm 0.425
	Z2	0.561 \pm 0.227
	Z3	0.826 \pm 0.187
	Z4	0.884 \pm 0.216
	Z5	0.829 \pm 0.233

Table A20

Mean Annual Water Quality at Station 5 Along Selected Transects, Day and Night,
from July 1976 Through June 1977. (All values are Presented in Terms of
Mean and Standard Deviation with the Exception of pH Which is
Presented in Terms of Log Mean.)

Time	Transect Z	Transect A	Transect B	Transect X&Y*	Transect E	Transect I	Transect J	Mean
<u>Temperature (°C)</u>								
Day	21+8	21+9	21+8	22+8	22+8	22+3	22+8	21+8
Night	18+8	19+8	18+8	19+8	20+8	19+8	19+8	19+8
<u>pH</u>								
Day	7.9	8.0	7.8	7.9	8.0	7.9	7.9	7.9
Night	7.9	8.0	7.8	7.8	8.1	8.0	7.9	7.9
<u>Dissolved Oxygen (mg/l)</u>								
Day	21+6	20+6	-	-	19+6	19+6	19+6	19+6
Night	20+6	19+6	20+6	19+6	19+6	19+6	19+6	19+6

(Continued)

Water samples were collected along transect X, but latter samples taken along transect Y (Coral
 protected berm areas). Samples from both transects were used in this table.

Table A20

Parameter & Time	Transect Z	Transect A	Transect B	Transect XGY*	Position E	Transect I	Transect J	Grand Mean
<u>Dissolved Oxygen (ppm)</u>								
Day	8.7+1.5	8.7+1.7	8.7+1.6	8.6+1.6	8.5+1.5	8.6+1.5	8.5+1.4	8.6+1.1
Night	8.0+1.7	7.9+1.9	7.8+2.2	7.6+2.2	7.1+2.7	7.6+2.1	7.6+2.1	7.7+0.3
<u>Total Alkalinity (ppm)</u>								
Day	118+27	121+18	126+25	119+20	119+15	119+17	122+23	121+3
Night	118+19	125+16	118+16	120+17	122+16	122+18	118+16	120+2
<u>Carbonate Alkalinity (ppm)</u>								
Day	116+29	115+18	126+25	116+23	116+19	117+18	117+19	116+24
Night	117+19	118+16	116+17	116+19	115+19	114+20	116+19	115+3
<u>Bicarbonate Alkalinity (ppm)</u>								
Day	2+7	6+13	0	3+9	3+9	2+6	3+9	3+9
Night	1+3	6+10	2+7	4+8	7+13	8+14	8+14	8+14

(Continued)

Table A20-(Concluded)

Parameter & Time	Transect Z	Transect A	Transect B	Transect XGY*	Position E	Transect I	Transect J	Grand Me.
<u>Particulates (FTU)</u>								
Day	53+41	54+43	66+47	47+33	56+34	51+38	49+31	54+6
Night	56+47	49+50	53+32	56+48	87+146	71+100	44+42	59+1
<u>Suspended Solids (ppm)</u>								
Day	41+37	38+35	48+34	38+30	47+37	47+44	37+24	42+5
Night	50+50	43+47	40+30	48+52	73+138	56+97	29+38	48+1
<u>Amonia (ppm)</u>								
Day	0.16+0.17	0.29+0.36	0.27+0.36	0.28+0.32	0.31+0.42	0.08+0.07	0.15+0.19	0.23+0
Night	0.16+0.25	0.29+0.36	0.36+0.46	0.19+0.18	0.26+0.36	0.22+0.51	0.26+0.27	0.24+0